

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL DEEPEN PLUG BACK

b. TYPE OF WELL OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.

Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Duncan

9. WELL NO.

4-12A2

10. FIELD AND POOL, OR WILDCAT

Bluebell/U Gr River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SWNW

Sec.12, T1S, R2W.

12. COUNTY OR PARISH 13. STATE

Duchsene UT

PENNZOIL EXPLORATION & PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 290 Neola, Utah 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
1967' FNL & 1075' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

About 10.0 miles Northwest of Roosevelt, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

1075'
1075'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

Gr R none
Wasatch 2170'

19. PROPOSED DEPTH
8,900' Green River

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5861' GL (UNGRADED)

22. APPROX. DATE WORK WILL START*

after 5-25-89

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36 to 47	3,500'	3500 ft3
7 7/8"	5 1/2"	15.5 & 20	8,600'	1000 ft3

- Enclosed attachments:
 - Certified Location Plat.
 - Drilling Plan.
 - BOP Schematic.
 - Map showing roadway to wellsite.
 - Schematic showing...rig layout on wellsite. ...wellsite cross-sections.

- Water permit: Water Right # 89 43-7 is on file with the State of Utah. *43-3037*
- An AFE has been prepared and a copy has been sent to joint interest holders for their approval.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Office (801) 353-4397 Home (801) 781-0620
SIGNED *Wilburn L. Luna* TITLE Drilling Superintendent DATE 4-28-89

(This space for Federal or State office use)

PERMIT NO. *43-013-31233* APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

UT-1988 APPROVED BY DATE *5-30-89* BY *John R. Boye* TITLE

WELL SPACING: *Case No. 131-81*

*See Instructions On Reverse Side

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

May 16, 1989

State of Utah, Dept of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
MAY 18 1989

Re: APD for:
Duncan No. 4-12A2
1967' FNL & 1075' FWL
SWNW Section 12, T1S, R2W
Duchesne County, Utah

DIVISION OF
OIL, GAS & MINING

Gentlemen:

Three (3) original copies of captioned APD with attachments are enclosed for your review and I trust your approval. Pennzoil Company requests that this APD and all related information submitted on this well be held confidential for that period of time as permitted by regulations and law.

Should there be any question, please contact the undersigned.

Sincerely,

Pennzoil Exploration & Production Company

Wilburn L. Luna

Wilburn L. Luna
Drilling Superintendent

Enclosure

UT--9

OPERATOR:.....PENNZOIL COMPANY
 WELL:.....Duncan No. 4-12A2
 WELL LOCATION:..1967' FNL, 1070'FWL
 SENW Section 12, T1S, R2W
 Duchesne County, Utah

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL FORMATIONS:

Duchesne River at surface (surface formation)
 Unita near the surface
 Green River.....6,571'
 Tg-2.....6,912'
 Z.....7,234'
 Evacuation Creek....7,359'
 Trona.....7,823'
 Mahogany Bench.....8,528'
 Total Depth.....8,900'

2. ESTIMATED OIL & WATER DEPTHS:

Water.....None anticipated
 Top Green River production...gas @ 6,700'+
 Mahogany Bench.....gas @ 8,528'+

3. PROPOSED CASING PROGRAM:

- A. 20" conductor to be set and cemented at a proposed depth of 60'+ and cemented to surface.
- B. 9 5/8", 36 to 47#, mixed grades, LT&C & Butt, inspected yard pipe to be set and cemented at a proposed depth of 3,500'+.

Cement: Low density filler cement to surface. Tail-in with 250 sks Cl "G" or "H" tailored for depth and Temp.

- C. 5 1/2", 15.5#, WC-70, LT&C to be set and cemented at a proposed depth of 8,900' in the Upper Green River

Cement: Low density (11.0#+) filler cement from 6,000' to surface. Tail-in (from T.D. to 6,000'+)with 50/50 Poz, 2%gel, 10% salt BWOW, 1.4#/sk cello-flakes, gas blocking & bonding agents with additives per Lab test.

4, OPERATOR`S PRESSURE CONTROL PLAN;

Figure No. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipped up on the surface casing and pressure tested prior to drilling out:

- A. All rams and choke manifold will be tested to 3000Psi.
- B. Bag preventor will be tested to 50% of its rated working pressure.
- C. The mixed grades of surface casing will be tested 3000Psi.
- D. Record all BOP tests on tour reports.
- E. Retest BOP stack every 28 days.
- F. Fill-up line above the Bag Type Preventer.
- G. Kill line located below the BOP rams.

Operational Checks:

- A. Pipe rams will be closed and opened once each 24 hours.
- B. Blind rams will be closed and opened each time the drill string is pulled from the wellbore.

Auxiliary well control and monitoring equipment:

- A. Upper and lower kelly cocks will be utilized.
- B. A full-opening drill pipe stabbing valve with proper drill pipe fittings will be utilized when the kelly is not in the string.
- C. Visual inspection will be used to monitor the mud system.

5. PROPOSED DRILLING FLUID PROGRAM:

- A. Surface hole: Drill this interval with clean fresh water. Lime & bentonite will be used as needed.

Should a water flow be encountered, it will be contained and drilling will resume.

- B. Production interval: Start drilling this interval with fresh water containing 3% KCL. Use viscous sweeps to keep the wellbore clean and a flocculent to keep the water clean.

Should wellbore conditions dictate (tight hole, bridging & etc.) mud up will be with a polymer. Salt (NaCl) will be used for weight material.

Final fluid properties: 8.9/9.3#, 30/40 Vis, 8/12 WL.

6. WELLBORE EVALUATION:

- A. CORING.....one or two possible.

- B. DRILL STEM TESTING:.....one or two possible.

- C. LOGGING: Surface Hole:.....None.

Productive interval:....DIL-GR
 FDC-CNL
 BHC-SONIC

- D. COMPLETION: The objective formation is one of the gas zones in the upper Green River. Selected intervals will then be perforated and evaluated for stimulation work.

UT-10gas

7. PRESSURES & TEMPERATURES:

A. PRESSURE:

At Total Depth the formation pressure will probably be 3800+Psi. The drilling fluid weight will be 8.9# to 9.3#, depending on formation permeability.

B. TEMPERATURE:

Temperature is expected to be 145 to 150 degrees.

8. ANTICIPATED STARTING DATE:

Construction of road and location will probably start within three (3) to nine (9) days of permit approval. The well will probably be spudded with-in 5 days of wellsite completion.

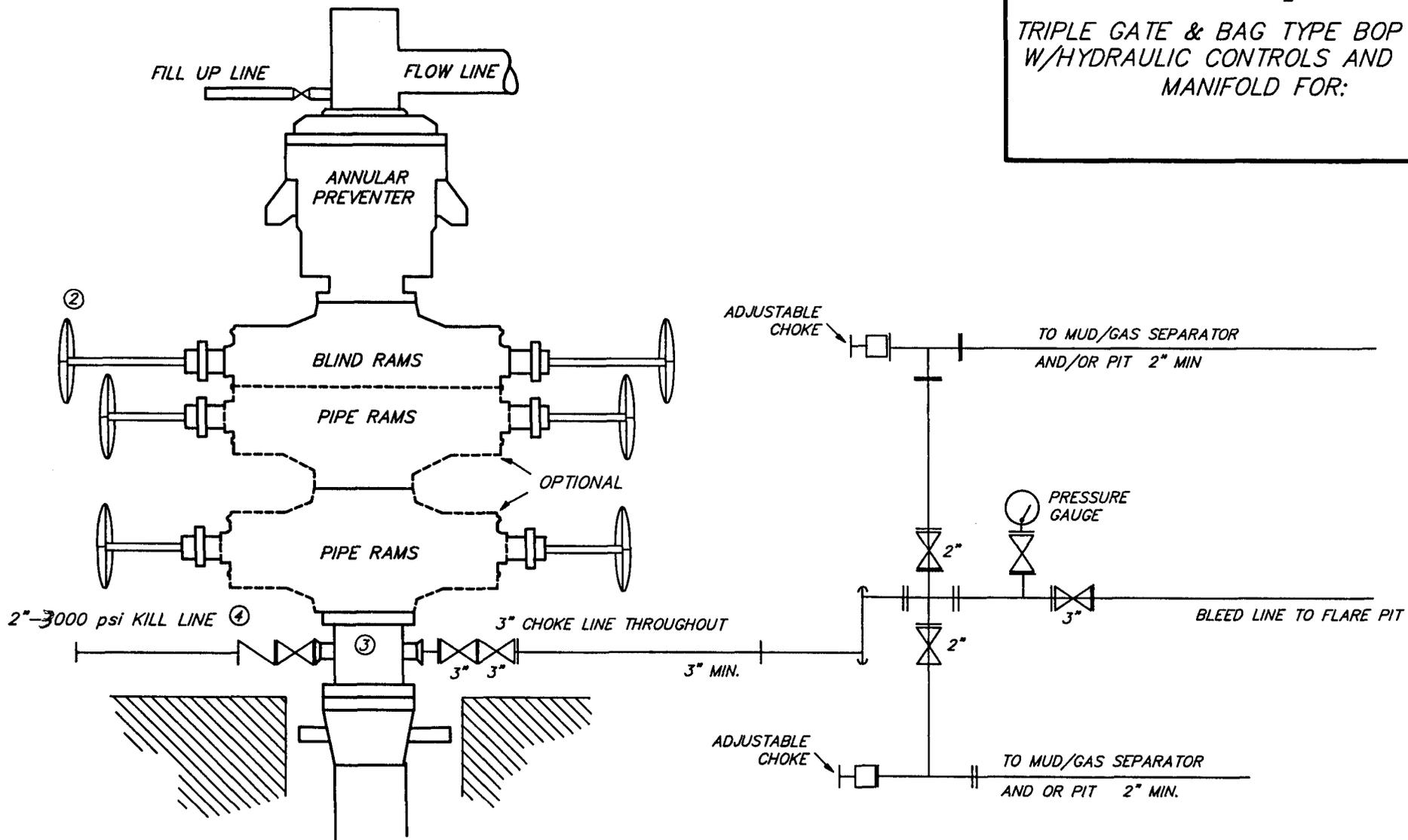
9. This well will be drilled per regulations as set forth by the:

State of Utah Natural Resource
Oil, Gas & Mining Division

UT-10gas

**FIGURE No.
3,000 psi^①**

*TRIPLE GATE & BAG TYPE BOP STACK
W/HYDRAULIC CONTROLS AND CHOKE
MANIFOLD FOR:*



① = ALL BOP CONNECTIONS SUBJECTED TO WELL PRESSURE SHALL BE FLANGED, WELDED OR CLAMPED.

② = HAND WHEELS FOR EACH SET OF RAMS UNLESS EQUIPPED WITH AUTO LOCK.

③ = DRILLING SPOOL UNLESS BOTTOM BOP EQUIPPED WITH SIDE OUTLETS.

④ = KILL LINE W/2-2" VALVES & WITH KILL LINE TO OUTER EDGE OF THE SUB STRUCTURE.

⑤ = REMOTE CONTROLS ON RIG FLOOR.

Sec 12, T1S, R1W, USBM	X: X: X: X	:	:	:	:	:	:	:	:
Sec 19, T1S, R1W, USBM	: X: X:	X: X: X: X	:	X: X: X: X	:	X: X: X: X	:	X: X:	:
Sec 20, T1S, R1W, USBM	:	:	:	:	:	X: X:	:	:	X
Sec 24, T1S, R1W, USBM	:	:	:	:	:	:	:	X: X: X: X	:
Sec 26, T1S, R1W, USBM	:	:	:	:	:	X: X:	:	:	X: X
Sec 27, T1S, R1W, USBM	:	:	:	:	:	:	X:	:	:
Sec 28, T1S, R1W, USBM	X: X: X: X								
Sec 29, T1S, R1W, USBM	X: X: :	X: :	X: X: X	X: :	X: X: X	:	:	X:	:
Sec 30, T1S, R1W, USBM	X: X: X: X								
Sec 31, T1S, R1W, USBM	:	:	X:	:	X: X:	:	X: X:	:	X: X: X: X
Sec 32, T1S, R1W, USBM	:	X:	:	:	X:	:	:	:	X: X: X: X
Sec 33, T1S, R1W, USBM	X: X: X: X								
Sec 34, T1S, R1W, USBM	:	:	:	:	X: X:	:	X: X: X: X	:	X: X: X: X
Sec 35, T1S, R1W, USBM	X: :	X: X	:	X:	:	:	X: X: X: X	:	X: X: X: X
Sec 1, T1S, R2W, USBM	X: :	:	:	X:	:	:	:	:	X: X: X: X
Sec 2, T1S, R2W, USBM	:	:	:	:	X: X: X: X	:	X: X: X: X	:	X: X: X: X
Sec 3, T1S, R2W, USBM	:	:	:	:	:	:	:	:	X: X: X: X
Sec 11, T1S, R2W, USBM	:	X: X:	:	:	:	:	:	:	X: X: X: X
Sec 12, T1S, R2W, USBM	X: :	:	:	:	:	:	X:	:	X: X: X: X
Sec 13, T1S, R2W, USBM	X: X: X: X								
Sec 14, T1S, R2W, USBM	X: X: :	:	:	:	:	:	:	:	X: X: X: X
Sec 23, T1S, R2W, USBM	:	:	:	:	:	:	X: X: X: X	:	X: X: X: X
Sec 24, T1S, R2W, USBM	X: X: X: X	X: X: :	:	:	:	:	:	:	X: X: X: X
Sec 25, T1S, R2W, USBM	X: X: X: X								
Sec 26, T1S, R2W, USBM	X: X: X: X								
Sec 27, T1S, R2W, USBM	:	:	X: X	:	:	:	:	:	X: X: X: X
Sec 35, T1S, R2W, USBM	:	:	X:	:	X: X: :	X: X: :	X: X: :	:	X: X: X: X
Sec 36, T1S, R2W, USBM	X: X: X: X								
Sec 1, T2S, R1W, USBM	:	:	:	:	:	:	:	:	X: X: X: X
Sec 2, T2S, R1W, USBM	:	X: X:	:	:	X: X: X: X	:	X: X: X: X	:	X: X: X: X
Sec 3, T2S, R1W, USBM	:	:	:	:	:	:	X: X:	:	X: X: X: X
Sec 6, T2S, R1W, USBM	:	:	:	:	:	:	X: X: X: X	:	X: X: X: X
Sec 7, T2S, R1W, USBM	:	:	:	:	X: X: :	:	:	:	X: X: X: X
Sec 9, T2S, R1W, USBM	:	:	:	:	:	:	:	:	X: X: X: X
Sec 10, T2S, R1W, USBM	X: X: X: X								
Sec 11, T2S, R1W, USBM	X: X: X: X								
Sec 12, T2S, R1W, USBM	X: X: X: X								
Sec 13, T2S, R1W, USBM	X: X: X: X								
Sec 14, T2S, R1W, USBM	X: X: X: X								
Sec 15, T2S, R1W, USBM	X: X: :	:	:	:	X: X: X:	:	:	:	X: X: X: X
Sec 16, T2S, R1W, USBM	X: X: X: X	:	:	:	:	:	:	:	X: X: X: X
Sec 23, T2S, R1W, USBM	X: :	:	X:	:	:	:	:	:	X: X: X: X
Sec 24, T2S, R1W, USBM	X: X: X: X								
Sec 36, T2S, R1W, USBM	:	:	:	:	X: X: X: X	:	X: X: X: X	:	X: X: X: X
Sec 1, T2S, R2W, USBM	:	:	:	:	:	:	:	:	X: X: X: X
Sec 2, T2S, R2W, USBM	X: X: X: X	:	:	:	:	:	:	:	X: X: X: X

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

10. FLOW: 4.0 acre-feet

REMAINING WATER: Same as HERETOFORE

11. SOURCE: Regulating pond

Continued on Next Page

12. COUNTY: Duchesne

COMMON DESCRIPTION:

13. POINT(S) OF DIVERSION: Changed as follows:

(1) N 2400 ft. E 1100 ft. from SW corner, Section 12, T1S, R2W, USBM
 Diverting Works: Pump into pipeline Source: Unnamed Pond

14. PLACE OF USE: Changed as follows:

Sec 12, T1S, R2W, USBM

NORTH-EAST $\frac{1}{4}$	NORTH-WEST $\frac{1}{4}$	SOUTH-WEST $\frac{1}{4}$	SOUTH-EAST $\frac{1}{4}$
NE NW SW SE			
: : :	: : X:	: : :	: : :

15. NATURE OF USE: Changed as follows:

OIL EXPLORATION: Oil Well Drilling and Completion on Well Duncan #4-12A2.
 PERIOD OF USE: May 16, 1989 to May 15, 1990.

The undersigned hereby acknowledges that even though he/she may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the State Engineer's Office, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant.

Signature of Applicant

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: PENNZOIL WELL NAME: DUNCAN 4-12A2
SECTION: 12 TWP: 1S RNG: 2W LOC: 1967 FNL 1075 FWL
QTR/QTR SW/NW COUNTY: DUCHESNE FIELD: BLUEBELL
SURFACE OWNER: DUNCAN RANCH 3960
SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: APRIL 21, 1989 12PM

PARTICIPANTS: WIL LUNA-PENNZOIL, MR. DUNCAN, DAN JARVIS-DOGM

REGIONAL SETTING/TOPOGRAPHY: North central Uinta Basin on edge of a N-S trending draw.

LAND USE:

CURRENT SURFACE USE: Domestic grazing. (no livestock present at this time)

PROPOSED SURFACE DISTURBANCE: An irregular shaped pad roughly 260' X 300'. This includes the reserve pit. Approximately 200 yards of access road will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: Proposed location is downhill from a small seep and uphill from an agricultural pond. There is also evidence of groundwater near the surface in the drainage to the west of the location.

FLORA/FAUNA: Abundant grass, scattered sage/Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Gravel in a clayey sand matrix.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation. The ground surface is stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-6700', Mahogany Bench-8528'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite terrace gravels to be used on roads and location.

SITE RECLAMATION: As per land owner.

RESERVE PIT

CHARACTERISTICS: Irregularly shaped pit approximately 110'X 160'.
(see diagram)

LINING: Pennzoil has agreed to line the pit using a synthetic liner which I have examined and approved.

MUD PROGRAM: The hole will be drilled with fresh water with added lime, Bentonite, polymer and NaCl as needed. (see APD)

DRILLING WATER SUPPLY: To be hauled from a nearby pond.

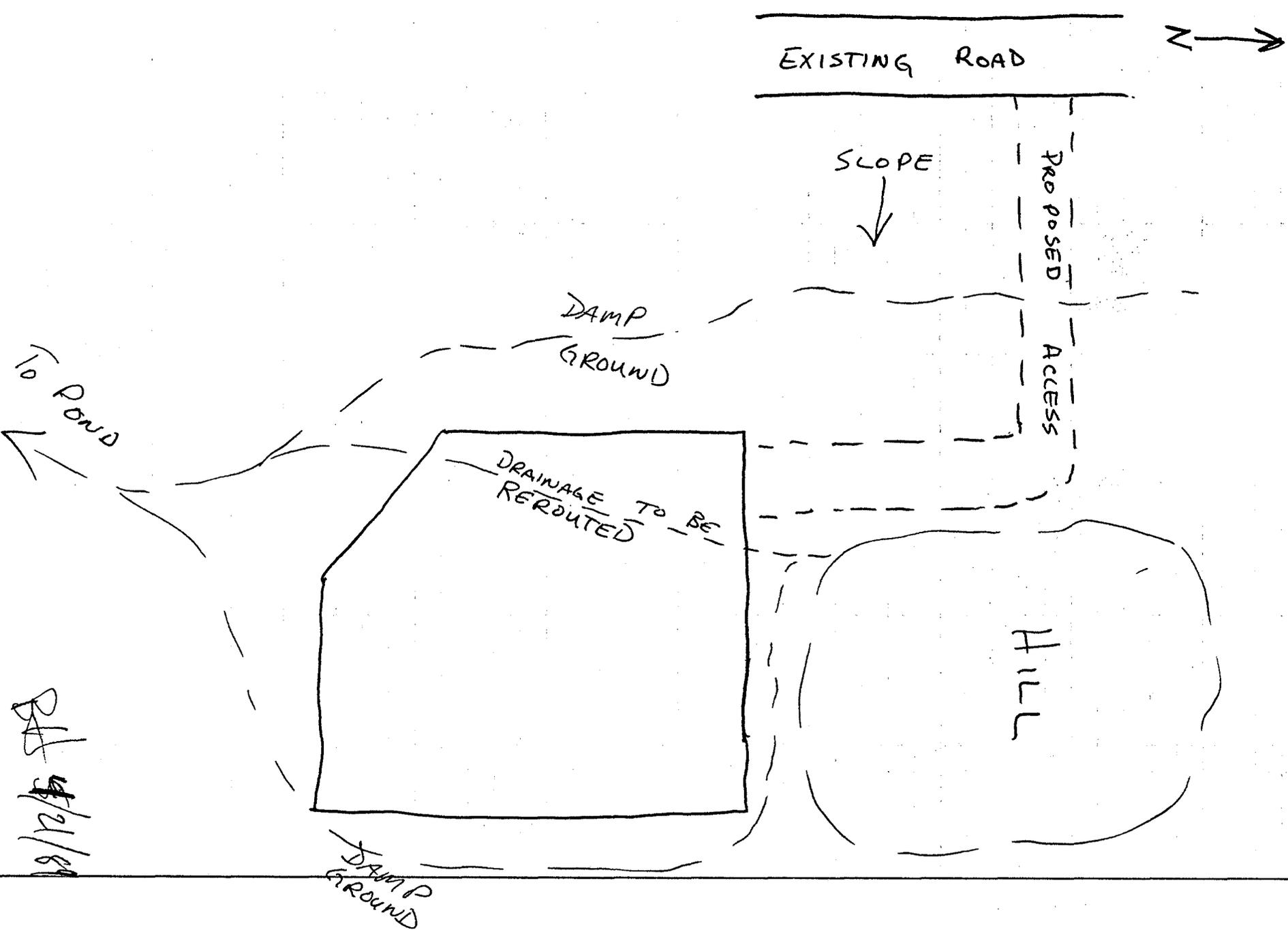
STIPULATIONS FOR APD APPROVAL

Reserve pit to be lined with a synthetic liner of a least 10 mil thickness.

ATTACHMENTS

Site diagram

SITE DIAGRAM
PENNBOLL
DUNCAN 4-12-82



BT
4/21/82

Division. Participating and representing the Bureau of Land Management (BLM) were Assad Raffoul (Utah State Office) and Jerry Kenczka (Vernal District Office). Appearing on behalf of Pennzoil Exploration & Development Company were Ralph A. Williams, Supervising Engineer, Gary L. Kornegay, Senior Geologist and Robert G. Pruitt, Jr. of Pruitt, Gushee & Fletcher, their Attorney. No other parties appeared or participated in the hearing.

FINDINGS OF FACT AND CONCLUSIONS OF LAW

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law and the rules of the Board.

2. The Board has jurisdiction over the matter covered by said Petition and over all parties interested therein, and has jurisdiction to make and promulgate the order hereinafter set forth.

3. In order to prevent waste of gas, oil and associated hydrocarbons, to avoid the drilling of unnecessary wells, and to protect correlative rights, 640-acre drilling units should be established for the production of gas, Oil and associated hydrocarbons from the Upper Green River formation underlying the described lands. This action will require modification of the Board's previous Order in Cause No. 131-2 as to such lands.

4. The Upper Green River formation should be defined as the interval from the top of the Green River formation down to the TGR₃ marker bed, a marker bed recognizable throughout the area, which is encountered at a depth of 9,748 feet in the Boren 3-11-A2 well situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 11, T. 1 S., R. 2 W., USM.

5. One well for each 640-acre tract will efficiently and economically produce the recoverable gas, oil and associated hydrocarbons from the Upper Green River formation underlying the described lands.

ORDER

The Board of Oil, Gas and Mining, having heard the testimony and comments of all participants, and having considered the testimony, evidence and exhibits submitted at the hearing, hereby enters the following Order:

1. Drilling units containing 640 acres, more or less, for the production of gas, oil and related hydrocarbons from the Upper Green River formation, as described herein, are established for the following lands in the Bluebell-Altamont Field:

Township 1 South, Range 2 West, USM

Sections 1 and 2: All

Section 3: All, except N $\frac{1}{2}$ NW $\frac{1}{4}$

Section 4: All

Sections 9 thru 12: All

Each designated drilling unit shall comprise the full surveyed government section, containing approximately 640 acres, except in the case of Section 3, which shall comprise 560 acres consisting of all of said Section 3 but excluding the N $\frac{1}{2}$ NW $\frac{1}{4}$ of said section.

2. The permitted well for each drilling unit shall be no closer than 660 feet from any quarter section boundary and not less than 3,960 feet from an existing well completed in the Upper Green River formation, with a variance of up to 150 feet for topographic purposes without prior approval, or otherwise as may be permitted by administrative action for topographic or geological reasons without the necessity of a formal Board hearing.

3. The "Upper Green River formation" is defined as comprising the interval from the top of the Green River formation, as encountered at a depth of 6,540 feet in the Boren 3-11-A2 well situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 11, T. 1 S., R. 2 W., USM, down to the base of the TGR₃ marker bed, encountered at a depth of 9,748 feet in the Boren 3-11-A2 well.

4. The Board retains continuing jurisdiction of all matters covered by this Order.

Entered this 27th day of March, 1989.

STATE OF UTAH BOARD OF OIL,
GAS AND MINING

By: 
Gregory P. Williams, Chairman

CONFIDENTIAL

OPERATOR Pennzoil Explor. & Prod. Co. (N2885) DATE 5-22-89

WELL NAME Duncan 4-12A2

SEC SWNW 12 T 1S R 2W COUNTY Duchesne

43-013-31233
API NUMBER

Fee
TYPE OF LEASE

CHECK OFF:

PLAT

BOND ^(AS)

NEAREST WELL

LEASE

FIELD ^(USM)

POTASH OR OIL SHALE

PROCESSING COMMENTS:

2 other wells in sec. 12 see plat (Cause 131-3 & 131-14) / Nearest well ok under Cause No. 131-81
Water Permit T 89-43-7 / 43-3037 (Dry Gulch)
Brad-Prisite 5-22-89 / Received 5-26-89
5-30-89 per W. Luna GW not OW.

APPROVAL LETTER:

SPACING: R615-2-3 N/A R615-3-2
UNIT (Gas-upper GRV)
 131-81 3-27-89 R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

1. Fee land (Bond Stipulation)
2. The reserve pit is to be lined with a synthetic liner of at least 10 mil thickness.



Norman H. Bangarter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 30, 1989

Pennzoil Exploration & Prod. Co.
P. O. Box 290
Neola, Utah 84053

Gentlemen:

Re: Duncan 4-12A2 - SW NW Sec. 12, T. 1S, R. 2W - Duchesne County, Utah
1967' FNL, 1075' FWL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 131-81 dated March 27, 1989, subject to the following stipulations:

1. Pennzoil, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. The reserve pit is to be lined with a synthetic liner of at least 10 mil thickness.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Pennzoil Exploration & Prod. Co.
Duncan 4-12A2
May 30, 1989

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31233.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
WE14/1-2

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-013-31233

NAME OF COMPANY: PENNZOIL EXPLORATION & PRODUCTION CO.

WELL NAME: DUNCAN 4-12A2

SECTION SWNW 12 TOWNSHIP 1S RANGE 2W COUNTY DUCHESNE

DRILLING CONTRACTOR EXETER

RIG # 7

SPUDDED: DATE 6/11/89

TIME 2:00 a.m.

How ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE _____

REPORTED BY W.M. SMITH

TELEPHONE # 353-4411

DATE 6/12/89 SIGNED TAS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

COMPANY NAME: Pennypil Expl + Prod. Co.

WELL NAME: Nuncan 4-12A2

QTR/QTR SW/NW SECTION 12 TOWNSHIP 1S RANGE 2W

CEMENTING COMPANY: Halliburton WELL SIGN

INSPECTOR: F. MATTHEWS DATE: 6-14-89

CEMENTING OPERATIONS:

PLUGBACK: _____ SQUEEZE: _____ CASING: _____ P-A ZONE: _____

SURFACE CASING: INTERMEDIATE _____ PROD CASING: _____

PERFORATIONS _____ SQUEEZE PRESSURE _____

CASING INFORMATION:

SIZE 9 5/8 GRADE: Mixed HOLE SIZE: 12 1/4 DEPTH: 3448

SLURRY INFORMATION:

1. CLASS: _____ LEAD: HOWCO light TAIL: 6

2. SLURRY WEIGHT: _____ LEAD: 12.1 TAIL: 15.8

3. WATER (GAL/SK) _____ LEAD: 10.9 TAIL: 5.0

4. COMPRESSIVE STRENGTH _____ PSI @ _____ HR _____

PIPE CENTRALIZED CEMENTING STAGES _____

LOST RETURNS N REGAIN RETURNS _____ BARRELS LOST _____

TOP OF CEMENT ? PERF INTERVAL _____

CEMENT TO SURFACE? N

ADDITIONAL COMMENTS: LTAC + buttress pads 1025 sks

HOWCO Lite + 1/4 #/sk flocc 3% CC + 10 #/sk Gil sulfate, 380 sks

HOWCO class 6 w/ 1/4 #/sk flocc. No cement to surface well 1"

0451T & surface banded plug @ 6:25 AM 6/15/89.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: Penngoil REPRESENTATIVE: W M Smith

WELL NAME: Duncan 4-12A2 API# 43-013-31233

QTR/QTR SW/NW SECTION 12 WELLSIGN TWP 1S RANGE 2W

INSPECTOR: F. MATTHEWS DATE: 6-15-89

DRILLING CONTRACTOR EXETER RIG # 7

RIG OPERATIONS: Nipping up on 9 5/8 surface

DEPTH 3448 LAST CASING 9 5/8 @ 3448

TEST BY Wendy Jack WATER MUD

PRESSURE RATING OF STACK 3000 H2S RATED No

TEST PRESSURES 3000 KELLYCOCK: UPPER LOWER

INSIDE BOP FULL OPENING VALVE ON FLOOR

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

- Crane Rotating Head
- Annular
- pipe Rams
- Blind Rams
- Drilling Spool
- Surface flange

ADDITIONAL COMMENTS: 3000 psi for 15 min high pressure only
Tested surface flange weld to 3000 psi. Found track leaking
repaired same finish testing ok. G.I.H then tested casing.

REPORTED BY: W M Smith PHONE: 353-4411

DATE: 6/16/89 SIGNED: F Matthews

Kevin McMullin (Tester)

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

COMPANY NAME: Pennypil Expl + Prod Co.

WELL NAME: Muncie 4-12AZ

QTR/QTRS SW/NW SECTION 12 TOWNSHIP 15 RANGE 2W

CEMENTING COMPANY: Halleburton WELL SIGN ✓

INSPECTOR: FM & ML DATE: 6-15-89

CEMENTING OPERATIONS:

PLUGBACK: _____ SQUEEZE: _____ CASING: _____ P-A ZONE: _____

SURFACE CASING: ✓ INTERMEDIATE _____ PROD CASING: _____

PERFORATIONS _____ SQUEEZE PRESSURE _____

CASING INFORMATION:

SIZE 9 5/8 GRADE: Mixed HOLE SIZE: 12 1/4 DEPTH: 3448

SLURRY INFORMATION:

1. CLASS:
LEAD: _____ TAIL: _____

2. SLURRY WEIGHT:
LEAD: _____ TAIL: _____

3. WATER (GAL/SK)
LEAD: _____ TAIL: _____

4. COMPRESSIVE STRENGTH
PSI @ _____ HR _____

PIPE CENTRALIZED ✓ CEMENTING STAGES _____

LOST RETURNS N REGAIN RETURNS _____ BARRELS LOST _____

TOP OF CEMENT Surface PERF INTERVAL _____

CEMENT TO SURFACE? ✓

ADDITIONAL COMMENTS: Top job on 9 5/8" casing found cmt @ 126'
cmt w/ 1" 200 sks. Class G, 2% CC, 1/2 #/sk Flocc. Cmt fell
back top job 100 sks Class G 2% CC ~~4%~~ Cmt held job
0451T OK @ 3:00 PM. Tested casing to 2750 psig
before drilling onto OK.

RECEIVED
JUN 20 1989

OPERATOR Pennzoil Expl. + Prod. Co.
ADDRESS P.O. Box 2967
Houston, Tx 77252-2967

OPERATOR CODE N 2885
PHONE NO. 713, 546-4000

CONFIDENTIAL

DIVISION OF
OIL, GAS & MINING

OPERATORS MUST COMPLETE FORM UPON SPUDDING OR CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10990	4301331233	Duncan 4-12A2	SWNW	12	1S	2W	Duchesne	06/08/89 5-29-89	06/08/89
COMMENTS: Fee lease Proposed Zone - GRRV Field - Bluebell (Entity 10990 added 6-22-89 for) Not in a Unit											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL
 B - ADD NEW WELL TO EXISTING ENTITY
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
 E - OTHER (EXPLAIN IN COMMENTS SECTION)
 (SEE INSTRUCTIONS ON BACK OF FORM)

Elizabeth O. Taylor
SIGNATURE
Accountant
TITLE
6/19/89
DATE

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

RECEIVED
JUL 10 1989

July 7, 1989

DIVISION OF
OIL, GAS & MINING

State of Utah, Dept of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Drilling Operations Report
Duncan No. 4-12A2
SWNW Section 12, T1S, R2W
Duchesne County, Utah

Gentlemen:

Enclosed please find the original and three (3) Copies of your DOGM Form 5 "SUNDRY NOTICES & REPORTS ON WELLS" for captioned operations.

Should there be any question, please contact the undersigned at (801) 353-4397.

Sincerely,

Pennzoil Exploration & Production Company

Wilburn L. Luna

Wilburn L. Luna
Drilling Superintendent

CONFIDENTIAL

Enclosure



UT-3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Pennzoil Exploration & Production Company</p> <p>3. ADDRESS OF OPERATOR P.O.. Box 290 Neola, UT 84053</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1967' FNL & 1075' FWL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. FEE LAND</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Duncan</p> <p>9. WELL NO. 4-12A2</p> <p>10. FIELD AND POOL, OR WILDCAT /bluebell- UPPER Gr. RIVER</p> <p>11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA SWNW Section 12, T1S, R2W</p> <p>12. COUNTY OR PARISH 13. STATE Duchense Utah</p>
<p>14. API NUMBER 15. ELEVATIONS (Show whether of, or on, well)</p> <p>43-013031233 5862..9' GL graded, & 5879' KDB</p>		

RECEIVED
JUL 10 1989

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACUTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACUTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Drilling operations report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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- Spudded w/rathole machine @ 12:30PM on 5-30-89. Set & cmted 20" conductor pipe @ 109' below G.L.
- MI & RURT. Spud w/drilling rig @ 2:00 AM on 6-11-89.
- Drilled 12 1/4" hole, w/no water flows, using F. wtr to 3448'. Ran & cmted 85 jts. 9 5/8" csg @ 3448' w/1405 sks cmt, cmt did not circulate. Re-cemented to surface w/260 sks cmt.
- Tested BOP stack with 3,000Psi & surface csg w/2900Psi.
- Drilled to 3463' and tested csg seat to 2287 Psi w/8.5# KCL water in wellbore for an EMW of 12.7#.
- Drilled a 7 7/8" wellbore with KCL & Brine water.
- Reached TD of 8650' @ 7:00 AM on 6-28-89 w/9.5# brine water.
- Logged well with DLL-GR, BHC SONIC & WAVEFORM, CNL-FDC, DIP-METER & FMC.
- RAN 211 JTS, 5 1/2", 17.0#, WC-70, LT&C TO 8660' by casing tally.
- Cemented the 5 1/2" csg in place at TD with 1360 sacks of cement. Cement did not circulate.
- Released rig @ 6:30PM on 6-30-89. And MORT on 7-5-89.
- Schlumberger ran CET/CBL logs with W/L PBTB @ 8638' & cmt top @ 2904'.
- End of drilling operations.

18. I hereby certify that the foregoing is true and correct

SIGNED Wilburn L. Luna TITLE Drilling Superintendent DATE July 7, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Delg. Co. of.



OPERATOR _____

WELL NO. _____

31233

SW/ NW SEC. 12 T. _____
COUNTY AL

DRILLING/COMPL _____

____ APD
____ SAFETY
____ OPERAT

____ BOPE
____ PITS

SHUT-IN _____

Y WELL S
Y OTHER

Y SAFETY

ABANDONED:

____ MARKER

____ HOUSEKEEPING

____ REHAB.

____ OTHER

PRODUCTION:

____ WELL SIGN
____ METERING*
____ SECURITY

____ HOUSEKEEPING
____ POLL. CONTROL
____ SAFETY

____ EQUIPMENT*
____ PITS
____ OTHER

____ FACILITIES*
____ DISPOSAL

GAS DISPOSITION:

____ VENTED/FLARED

____ SOLD

____ LEASE USE

pic 2-14

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: loc, pit, wellhead.

REMARKS:

pit fenced, loc. spec + gran
tub hole well plugged. pit almost dry
either WO completion or completed (no deadman in ground yet)

ACTION:

INSPECTOR: _____

JM

DATE

7/25/89

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 OIL AND GAS INSPECTION RECORD

Delg. Conf.

OPERATOR Pennypil LEASE _____
 WELL NO. Duncan 4-12AZ API 43-013-31233
 SW/ NW SEC. 12 T. 15 R. 2W CONTRACTOR _____
 COUNTY Alachua FIELD Bluebell

DRILLING/COMPLETION/WORKOVER:

APD WELL SIGN HOUSEKEEPING BOPE
 SAFETY POLL. CONTROL SURFACE USE PITS
 OPERATIONS OTHER

SHUT-IN Y / TA _____ :
 WELL SIGN HOUSEKEEPING EQUIPMENT* SAFETY
 OTHER

ABANDONED:
 MARKER HOUSEKEEPING REHAB. OTHER

PRODUCTION:
 WELL SIGN HOUSEKEEPING EQUIPMENT* FACILITIES*
 METERING* POLL. CONTROL PITS DISPOSAL
 SECURITY SAFETY OTHER

GAS DISPOSITION:
 VENTED/FLARED SOLD LEASE USE

pic 2-14
 LEGEND: Y - YES OR SATISFACTORY
 N - NO OR UNSATISFACTORY
 NA - NOT APPLICABLE

*FACILITIES INSPECTED: loc, pit, wellhead.

REMARKS: pit fenced, loc. spec + span
tully blue bull plugged. pit almost dry
either WO completion or completed (no deadmen in ground yet)

ACTION: _____

INSPECTOR: JM DATE 7/25/89

August 10, 1989

To: Utah Oil, Gas, & Mining
355 West North Temple
Suite 350
Salt Lake City, UT 84180

RECEIVED
AUG 16 1989

From: Marjorie A. Pirece
EDWARD ENGINEERING
888 South Lipan
Denver, CO 80223

DIVISION OF
OIL, GAS & MINING

RE: Transmittal of Geological Report
Pennzoil Company
4-12A2 Duncan
Bluebell-Altamont Field
Duchesne Co., Utah
API 43-013-31233

I have enclosed a copy of the geological report for the Duncan 4-12A2, which was just recently drilled by Pennzoil in Section 12, T1S, R2W, Duchesne Co., Utah. If you have any questions please do not hesitate to contact me at one of these phone numbers:

303-936-0161 Denver Office
303-466-6277 Home

Sincerely,

Marjorie A. Pirece
Marjorie A. Pierce

CONFIDENTIAL

RECEIVED

AUG 16 1989

DIVISION OF
OIL, GAS & MINING

PENNZOIL COMPANY

Duncan 4-12A2

NW/4 Section 12, T1S, R2W
Bluebell - Altamont Field
Duchesne Co., Utah

CONFIDENTIAL

EDWARD ENGINEERING
Marjorie A. Pierce
Geological Engineer

TABLE OF CONTENTS

- I. Well Summary
- II. Geologic & Logging Summary
- III. Electric Log Tops
- IV. Summary of Potential Productive Intervals
Recommended for Perforation
- V. Daily Log of Operations
- VI. Bit Record
- VII. Mud Record
- VIII. Memos Re: Recommended Perforations
- IX. Distribution of Records
- X. Drilltime Log

WELL SUMMARY - DUNCAN 4-12A2

OPERATOR: Pennzoil Company

LEASE: Duncan 4-12A2

LOCATION: Field: Bluebell-Altamont Field
Legal: NW/4 Section 12, T1S, R2W
1967' FNL, 1075' FWL
County: Duchesne County, Utah

ELEVATION: Ground Level: 5863' Kelly Bushing: 5879'

SPUD DATE: 11 June 1989

CEASE DRILLING: 27 June 1989

TOTAL DEPTH: 8650' Driller
8650' Steel Line Measure
8619' Logger
8630' Final Logger
8650' Final Total Depth

CASING PROGRAM: 9 5/8" Surface Casing set at 3448'
5 1/2" 17# Production Liner set at 8650'

MUD PROGRAM: Mud Company: M-I Drilling Fluids Co.
Mud Engineer: Kenny Bascom
Phil McClure
Mud Type: Water: surface - 3448,
Gel/Water: 3448 to run casing
Brine Water: 3448 - 8650 T.D.

SAMPLE PROGRAM: Caught: 10' 6000' - 8650'
Examined: 6000' - 8650' by mudloggers verified
by wellsite geologist
Mudlogging: Rocky Mountain Geo-Engineering
24 hour - 2 man unit 6000'-8650'
FID total gas detection
FID Chromatography
Mudloggers: Daron Clay, Peter Recks

CONTRACTOR: Exeter Rig No. 7
Toolpushers: Doug Grinolds
Drillers: Doug Miller, V.T. Linder
Michael Sitton, John Reese

ELECTRIC LOGGING: Schlumberger

Run 1: Engineer: Jeff Gebhart

Log Types: Dual Laterolog Log w/MSFL

3447' - 8624'

Gamma Ray-Surface to 8624'

Compensated Neutron Litho-

Density 3447' - 8624'

Digital Sonic Log

3447' - 8619'

Digital Sonic Waveforms

6500' - 8619'

Gamma RWA Log - Cyberlook

6500' - 8624'

Dipmeter 6650' - 7800'

Formation Micro-scanner

6650' - 7200' &

7500' - 7650'

WELLSITE SUPERVISOR: W.M. Smith "Smitty"

WELLSITE GEOLOGIST: Marjorie A. Pierce

GEOLOGIC & LOGGING SUMMARY - DUNCAN 4-12A2

The Pennzoil Company Duncan 4-12A2 was drilled as a Green River development well in the SW/4 of the NW/4 of Section 12, T1S, R2W of Duchesne County, Utah. The well was drilled to a total depth of 8,650 feet, 50 feet deeper than the proposed TD of 8600 feet. The new development well is surrounded by Green River and Wasatch production.

The Duncan 4-12A2 penetrated 6,554 feet of the Uinta and Duchesne Formations followed by approximately 2,096 feet of the Green River formation, with a total depth of 8,650' as recorded by the driller and verified by steel line measurement. This total depth penetrated 118 feet into the Mahogany Bench member of the Green River formation. Original intentions were to drill 200 feet into the Mahogany Bench, but difficulty in pinpointing the formation tops from the samples resulted in a failure to reach that goal. Since no shows were indicated in the upper Mahogany Bench and due to various other restrictions imposed by the original proposed TD of 8600 feet (such as casing, etc.), it was decided that it would not be necessary to drill any deeper.

Geologically, the Green River formation, Tertiary in age, is comprised of lake type deposits, including varved shales, marlstones, carbonates, and occasional sandstone. The Green River has been subdivided into three stages for completion purposes which may be altered at the operator's discretion: Stage I (6554'-6888'), the Upper Green River gas prone littoral facies with 139 feet of potential pay; Stage II (6888'-7350'), the Upper Green River oil and gas prone facies with 141 feet of potential pay; and Stage III (7350'-8532'), the Middle Green River oil prone lacustrine facies with 296 feet of potential pay. The portion of this interval which is below the Trona I member (below a depth of 7870 feet) may be gas prone or both oil and gas prone, but it was not possible to make that distinction during the drilling since oil was still entering the hole from show #6 encountered above the Trona I at a depth of 7535 feet. The Trona can act as a good seal separating the Upper Green River intervals from those below it. Stages I, II, and III are all normally pressured with a total of 576 feet which may be considered potentially productive.

No fresh water flows were encountered while drilling above the surface casing depth of 3,448 feet. Surface casing was set and cemented at a depth of 3,448 feet. The Duncan 4-12A2 was then drilled to a total depth of 8,650 feet with brine water raised to a maximum weight of 9.8 lbs./gal. A total of approximately 1500 barrels of drilling fluid were lost while drilling from 7650 feet to 8400 feet. The losses were due to seepage over a three day period (June 24, 25, & 26). The seepage was sealed off using polymer, sawdust, and paper. 5 1/2" production casing was set and cemented at a depth of 8660.44 feet, 10 feet deeper than the recorded and measured

total depth of the well. The well was cemented with no returns.

Schlumberger was responsible for the open-hole logging of the Duncan 4-12A2. A combination tool, including the equipment necessary to run the Dual Laterolog Micro-SFL Log and the Compensated Neutron Litho-Density Log, was run in the hole first. This run was completed successfully except for a malfunction of the Micro-SFL which due to a hole problem, the tool apparently became plugged downhole and was not able to function properly. Total depth was tagged on the first run at a depth of 8624 feet. The Digital Sonic was run immediately following the first run with the combination tool. The sonic log was also completed successfully with waveforms computed from total depth to 6500 feet. Total depth was found at a depth of 8619 feet on the second run. Fill at the bottom of the hole was suspected to prevent the logging tools from tagging TD. Several tight spots encountered above the Green River (6366' & 6338') while logging with the sonic tool prompted a trip to circulate and condition the hole before logging with the dipmeter tool. The dipmeter tool tagged bottom at a depth of 8630 feet. The dipmeter was run from 6650'- 7800' and the FMS was run from 6650'- 7200' and from 7500'- 7650'. The dipmeter and FMS were also completed with no problems.

Summaries of the potential productive intervals recommended for perforation for Stages I, II, III follow the list of electric log tops. A copy of the memo sent to Gary Kornegay which accompanied the log panel regarding the recommended perforation schedules has been included at the end of this report. Please refer to the mud log provided by Rocky Mountain Geo-Engineering Co. for a detailed description of the samples.

ELECTRIC LOG TOPS - DUNCAN 4-12A2

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>	<u>Structural Comparison</u> <u>to Kendall 1-12A2</u>
Green River	6554	- 675	3' low
Green River/Tg2	6888	-1009	53' high
Green River/Z	7216	-1337	62' high
Evacuation Creek	7350	-1471	44' high
Trona I	7838	-1959	23' high
Parachute Creek	8384	-2505	37' high
Green River/ Mahogany Bench	8532	-2653	34' high
Total Depth	8650	-2771	

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

DUNCAN 4-12A2

Upper Green River, littoral, normal pressured

B-Log Depth GR on DLL	Mudlog Depth	GR <60 API	RT >30 ohms	Total Gas units	Oil in Mud	Oil on Pits	Mud Wt. in/out	Sample Fract Show	Show Report	Net Pt. Pay	Quality	Remarks
6554	6554	Top of Green River										
6556-67	6556-67	yes	some	3-32	no	no	8.5/8.5	no		11	fair	gas
6576-79	6576-79	yes	yes	8-15	no	no	8.5/8.5	no		3	poor	gas
6583-86	6583-86	yes	yes	6-10	no	no	8.5/8.5	no		3	poor	gas
6590-98	6590-98	yes	some	10-60	no	no	8.5/8.5	no		8	fair	gas
6610-18	6610-18	yes	yes	10-6	no	no	8.5/8.5	no		8	poor	gas
6626-42	6626-42	yes	yes	6-20	no	no	8.5/8.5	no		16	fair	gas
6650-53	6650-53	yes	yes	8-20	no	no	8.5/8.5	no		3	poor	gas
6672-6713	6672-6713	yes	yes	10-10,800	no	no	8.5/9.0	no	#1	41	v. good	gas
6746-49	6746-49	yes	yes	80-80	no	no	8.9/8.8	no		3	poor	gas
6780-83	6780-83	yes	yes	105-105	no	no	8.8/8.8	no		3	poor	gas
6794-6820	6794-6820	yes	yes	100-900	no	no	8.8/8.8	no	f1 #2	26	v. good	gas
6827-29	6827-29	yes	yes	55-55	no	no	8.8/8.8	no		2	poor	gas
6837-40	6837-40	yes	yes	50-100	no	no	8.8/8.8	no		3	poor	gas
6877-86	6877-86	yes	yes	8-15	no	no	9.0/9.0	no		9	poor	gas
6888	6888	Tg2										
6903-28	6903-28	some	yes	8-1032	yes	no	9.0/9.0	yes	#3	25	v. good	oil & gas
6958-70	6958-70	yes	yes	20-100	no	no	9.0/9.0	yes		12	good	oil & gas
7019-22	7019-22	yes	yes	40-60	no	no	9.0/9.0	no		3	poor	oil & gas
7042-54	7042-54	yes	yes	40-360	no	no	9.0/9.0	no	#4	12	good	oil & gas
7068-7106	7068-7106	some	yes	50-200	no	no	9.0/9.0	no		38	fair	oil & gas
7114-46	7114-46	yes	yes	40-640	no	yes	8.8/8.8	yes	#5	32	good	oil & gas
7155-58	7155-58	yes	yes	70-45	no	no	8.8/8.8	yes		3	poor	oil & gas
7216	7216	GR/Z										
7238-44	7238-44	yes	yes	80-100	no	no	8.8/8.8	no		6	poor	oil & gas
7310-20	7310-20	no	yes	80-200	no	no	8.8/8.8	no		10	poor	oil & gas
7350	7350	Evacuation Creek										
7373-76	7373-76	yes	yes	180-220	no	no	8.8/8.8	no		3	poor	oil
7416-24	7416-24	some	yes	250-320	no	no	8.7/8.7	no		8	poor	oil
7526-7650	7526-7650	tr	some	300-16,300	yes	yes	8.7/8.8	yes	f1 #6	124	v. good	oil
7664-70	7664-70	no	yes	6000-1000	yes	yes	8.8/8.9	yes		6	poor	oil
7682-85	7682-85	no	yes	5000-6000	yes	yes	8.8/8.8	yes		3	fair	oil
7688-98	7688-98	no	yes	4800-6000	yes	yes	8.8/8.8	yes		10	fair	oil
7724-28	7724-28	yes	yes	2800-6200	yes	yes	8.9/8.9	yes		4	poor	oil
7750-82	7750-82	no	yes	3000-10,000	yes	yes	8.9/8.9	yes	f1	32	fair	oil
7838	7838	Trona I										
7868-76	7868-76	no	yes	4200-8300	yes	yes	8.9/8.9	yes		8	fair	oil
7896-7918	7896-7918	tr	yes	4000-8500	yes	yes	8.9/8.9	yes		22	fair	oil
7934-40	7934-40	yes	yes	5000-7800	yes	yes	8.9/8.9	yes		6	fair	oil
7956-74	7956-74	some	yes	6000-7800	no	yes	9.3/9.0	yes		18	fair	oil
7990-8006	7990-8006	some	yes	3000-7000	no	yes	9.3/9.0	yes		16	fair	oil
8066-70	8066-70	yes	yes	2500-2500	no	yes	9.2/9.1	yes		4	poor	oil
8154-72	8154-72	tr	yes	1000-1500	no	yes	9.3/9.3	yes		18	poor	oil
8290-8300	8290-8300	yes	yes	600-400	no	yes	9.5/9.5	yes		10	fair	oil
8384	8384	Parachute Creek										
8506-10	8506-10	yes	yes	100-100	no	no	9.3/9.3	yes		4	poor	oil
8532	8532	Mahogany Bench										

TOTAL NET PAY

576

DAILY LOG OF OPERATIONS FOR DUNCAN 4-12A2
(6:00 AM depths)

DATE	DAY	DEPTH	FOOTAGE	OPERATIONS

11-Jun-89	1	226		Spud 2:00 AM MST 6-11-89; drlg. 12 1/4" hole w/bit #1.
12-Jun-89	2	1751	1525	Drlg. #1.
13-Jun-89	3	2739	988	Drlg. #1; trip for bit #2; drlg. #2.
14-Jun-89	4	3293	554	Drlg. #2; trip for bit #3; drlg. #3.
15-Jun-89	5	3448	155	Drlg. #3; circ. & cond.; run 9 5/8" casing & cement.
16-Jun-89	6	3448	0	9 5/8" casing set & cemented @ 3448'; W.O.C.; install BOP; test BOP.
17-Jun-89	7	3893	445	Test BOP; TIH; drlg. 7 7/8" hole w/bit #4; test formation; drlg. #4.
18-Jun-89	8	4748	855	Drlg. #4.
19-Jun-89	9	5538	790	Drlg. #4.
20-Jun-89	10	6100	562	Drlg. #4; trip for bit #5; drlg. #5.
21-Jun-89	11	6668	568	Drlg. #5; install rotary head rubber; drlg. #5; tie in gas buster; drlg. #5.
22-Jun-89	12	6935	267	Drlg. #5; circ. samples; circ. out gas kick & raise mud wt.; drlg #5.
23-Jun-89	13	7215	280	Drlg. #5; trip for bit #6; cut drill line; TIH w/ bit #6; drlg. #6.
24-Jun-89	14	7625	410	Drlg. #6; repair swivel; drlg. #6.
25-Jun-89	15	8190	565	Drlg. #6.
26-Jun-89	16	8389	199	Drlg. #6; trip for hole in pipe; TIH w/ bit #7; drlg. #7.
27-Jun-89	17	8637	248	Drlg. #7; short trip; drlg. #7.
28-Jun-89	18	8650	13	Drlg. #7; circ. & cond. for logs; POOH to log; RU Schlum- berger; run DLL-FDC/CNL combo; run digital sonic.
29-Jun-89	19	8650	0	Run digital sonic; rig repair; TIH to circ. & cond. for logs; POOH to log; run dipmeter & formation microscanner (FMS).
30-Jun-89	20	8650	0	Finish logging; RD Schlumberger; TIH to circ. & cond. for csg.; L.D. drill pipe; run 5 1/2" csg.
01-Jul-89	21	8650	0	5 1/2" casing set & cemented @ 8660.44'; did not circ. cement; released rig @ 6:30 PM.

Mudloggers released 6-27-89.
Geologist released 6-29-89.

BIT RECORD FOR DUNCAN 4-12A2

BIT NO.	SIZE	MAKE	TYPE	NOZZLES	SERIAL NO.	DEPTH		ACC.		WOB 1000#	PUMP		SPM		MUD		
						OUT	FEET	HRS.	FT/HR		HRS.	RPM	PRESS	#1	#2	WT.	VIS.
1	12 1/4"	REED	HP12J	15 15 15	A43973	1,980	1859	29.25	63.6	29.25	25/40	120	1200	50	50	8.4	26
2	12 1/4"	HTC	R1	15 16 16	2751G	3,054	1074	22	48.8	51.25	40/50	120	1400	50	50	8.5	27
3	12 1/4"	REED	HP12J	16 16 15	H14305	3,448	394	12	32.8	63.25	40/50	120	1250	50	50	8.6	30
4	7 7/8"	HTC	ATJ11C	11 11 10	NX444	5,894	2446	67.5	36.2	130.75	35/40	70	1350	55		8.5	26
5	7 7/8"	SMITH	F2	11 11 10	LZ3278	7,095	1201	45.75	26.3	176.5	40	70	1250	50		9.0	27
6	7 7/8"	HTC	ATJ33	11 11 10	D19HJ	8,266	1171	55	21.3	231.5	40	70/80	1250	50	50	9.3	28
7	7 7/8"	HTC	ATJ22	10 10 11	EE614	8,303	123	9	13.7	240.5	35	70/80	1300	50		9.5	27
8	7 7/8"	SMITH	F4	10 10 11	EE5966	8,650	261	13	20.1	253.5	35	70/80	1300	50		9.5	27

MUD RECORD FOR DUNCAN 4-12A2

DATE	DEPTH	MUD WEIGHT	WATER VIS.	LOSS	PV	YP	GELS	SOLIDS	OIL/WATER	pH	Cl	Ca	DAILY COST	CUMULATIVE COST
09-Jun-89	Rig up													
10-Jun-89	Rig up													
11-Jun-89	400	8.3	26	n/c	drlg.	w/	water	0/100	8.5	300	120		\$95	\$95
12-Jun-89	1,875	8.3	26	n/c	drlg.	w/	water	0/100	9.5	300	120		\$1,055	\$1,150
13-Jun-89	2,880	8.5	26	n/c	drlg.	w/	water	0/98.5	10.5	600	80		\$354	\$1,504
14-Jun-89	3,448	8.6	30	n/c	5	3 1/2		1.5	0/98.5	10.5	8,000	60	\$1,722	\$3,226
15-Jun-89	3,448			No Report										
16-Jun-89	3,448	8.5	26	n/c	drlg.	w/	brine	0.5	0/99.5	11.0	14,000	600	\$279	\$3,505
17-Jun-89	3,975	8.5	26	n/c	drlg.	w/	brine	0.5	0/99.5	11.5	12,000	560	\$87	\$3,592
18-Jun-89	4,830	8.5	26	n/c	drlg.	w/	brine	0.5	0/99.5	11.5	12,000	560	\$198	\$3,790
19-Jun-89	5,600	8.5	26	n/c	drlg.	w/	brine	0.5	0/99.5	11.5	12,000	600	\$129	\$3,919
20-Jun-89	6,143	8.5	26	n/c	drlg.	w/	brine	0.5	0/99.5	11.0	11,000	600	\$511	\$4,430
21-Jun-89	6,700	8.5	27	n/c	drlg.	w/	brine	0.5	0/99.5	11.0	13,000	900	\$692	\$5,122
22-Jun-89	6,973	9.0	27	n/c	drlg.	w/	brine	0.8	0/99.2	11.0	75,500	900	\$2,763	\$7,885
23-Jun-89	7,238	8.9	27	n/c	drlg.	w/	brine	1.0	0/99.0	11.5	53,000	1150	\$234	\$8,119
24-Jun-89	7,659	8.8	27	n/c	drlg.	w/	brine	0.8	0/99.2	11.5	50,000	1100	\$839	\$8,958
25-Jun-89	8,208	9.4	26	n/c	drlg.	w/	brine	2.1	0/97.9	10.0	93,000	40	\$3,345	\$12,303
26-Jun-89	8,390	9.4	27	n/c	drlg.	w/	brine	2.1	0/97.9	11.5	95,000	600	\$1,529	\$13,832
27-Jun-89	8,650	9.5	27	n/c	drlg.	w/	brine	1.8	0/98.2	11.0	119,000	440	\$2,512	\$16,344
28-Jun-89	8,650	9.5	27	n/c	drlg.	w/	brine	1.7	0/98.3	11.0	117,000	500	\$151	\$16,495
29-Jun-89	8,650	9.4	27	n/c	drlg.	w/	brine	1.8	0/98.2	10.5	115,000	400	\$348	\$16,843
30-Jun-89	8,650			Final Report									\$293	\$17,136

July 1, 1989

TO: Gary Kornegay
10th Floor Pennzoil Place
P.O. Box 2967
Houston, TX 77252-2967

FROM: Margie Pierce
Edward Engineering
888 South Lipan
Denver, CO 80223

RE: Duncan 4-12A2
Section 12, T1S, R2W
Duchesne County, Utah

The intervals recommended for perforation in the Green River formation from a depth of 6,554' to total depth 8,650' in the Duncan 4-12A2, located in the SW/4 of the NW/4 of section 12, T1S, R2W, Duchesne County, Utah, have been plotted on the log panel which is being transmitted to the Houston office together with this memo via express mail. I have also included my invoices for the month of June. The perforation intervals correspond to the Gamma Ray on the Dual Laterolog Micro-SFL logged by Schlumberger on 6-27-89.

The perforation schedule for the Duncan 4-12A2 has been subdivided into three parts according to probable types of hydrocarbon production for each interval. Stage I (6,554'-6,888') is the Upper Green River formation extending down to the top of the Tg2 marker. This interval is expected to be primarily gas prone and is estimated to have 139 feet of net pay. The second interval, Stage II (6,888'-7,350'), appears to be both oil and gas prone. This interval extends from the top of the Tg2 marker to the top of the Evacuation Creek member of the Green River formation with approximately 141 feet of net pay. Stage III (7,350'-8,532') is expected to be oil prone. This interval begins at the top of the Evacuation Creek and extends down to the top of the Mahogany Bench with about 296 feet of net pay. The portion of this interval which is below the Trona I member (below a depth of 7870') may be gas prone or oil and gas prone but it was not possible to make that determination during the drilling since oil was still entering from show #6 at a depth of 7,535 feet. The recommended perforation intervals for Stages I, II, and III follow:

DUNCAN 4-12A2

STAGE I:

Upper Green River

gas prone, normal pressured

DEPTH	NET FEET
6,556 - 67	11
6,576 - 79	3
6,503 - 86	3
6,590 - 98	8
6,610 - 18	8
6,626 - 42	16
6,650 - 53	3
6,672 - 713	41
6,746 - 49	3
6,780 - 83	3
6,794 - 820	26
6,827 - 29	2
6,837 - 40	3
6,877 - 86	9

Gross Interval 6,554 - 6,888 Green River to Tg2

Net Feet Total	139
Average Interval ft	9.9
Minimum Thickness ft	2
Maximum Thickness ft	41

STAGE II:

Upper Green River
gas & oil prone, normal pressured

DEPTH	NET FEET
6,903 - 28	25
6,958 - 70	12
7,019 - 22	3
7,042 - 54	12
7,068 - 106	38
7,114 - 46	32
7,155 - 58	3
7,238 - 44	6
7,310 - 20	10

Gross Interval 6,888 - 7,350 Tg2 to Evacuation Creek

Net Feet Total	141
Average Interval ft	15.7
Minimum Thickness ft	3
Maximum Thickness ft	38

DUNCAN 4-12A2

STAGE III:

Upper Green River
oil prone, normal pressured

DEPTH	NET FEET
7,373 - 76	3
7,416 - 24	8
7,526 - 650	124
7,664 - 70	6
7,682 - 85	3
7,688 - 98	10
7,724 - 28	4
7,750 - 82	32
7,868 - 76	8
7,896 - 918	22
7,934 - 40	6
7,956 - 74	18
7,990 - 6	16
8,066 - 70	4
8,154 - 72	18
8,290 - 300	10
8,506 - 10	4

Gross Interval 7,350 - 8,532 Evacuation Creek to Mahogany Bench

Net Feet Total	296
Average Interval ft	17.4
Minimum Thickness ft	3
Maximum Thickness ft	124

NOTIFICATION AND INFORMATION REQUIREMENTS

Pennzoil Company
 1-12A2 Duncan
 12-T18-R2W
 Duchesne Co., Utah

LETTERS
 Pennzoil Company
 P.O. Box 2967
 Houston, TX
 77252-2967

LARGE PACKAGES
 Pennzoil Company
 700 Milam
 Houston, TX
 77002

Pennzoil Company
 P.O. Box 2967 - 10th Floor
 Houston, TX 77252-2967
 Attn: Gary L. Kornegay
 Office: (713) 546-8935

Pennzoil Company
 P.O. Box 290
 Neola, UT 84053
 Attn: Will Luna

Proven Properties, Inc.
 700 Milam, 8th Floor
 Houston, TX 77002
 Attn: Rick Carter

Utah Oil, Gas & Mining
 355 West North Temple
 Suite 350
 Salt Lake City, UT 84180

Company	M & Well Prognosis	State Permits, Reports, Survey, etc.	Daily Drilling Reports - Phone	Daily Drilling Reports - Mail	Electric Logs - Field Prints	Electric Logs - Final Prints	Electric Logs - Film Prints	Electric Logs - Tape LIS Format	Log Technologies as needed	Notice prior to & results of DST's, Corros, Logging, Plugging, etc.	Fluid Analysis, etc	Reports - DST, Geological, Completion	Daily Mud Log & Final Mud Log	Cutting of samples
Pennzoil Company P.O. Box 2967 - 10th Floor Houston, TX 77252-2967 Attn: Gary L. Kornegay Office: (713) 546-8935	1	2	1	1	2	2	1	1	1	1	2	1&2	1	
Pennzoil Company P.O. Box 290 Neola, UT 84053 Attn: Will Luna	2	1	0	0	1	0	0	0	0	1	1	0&1	0	
Proven Properties, Inc. 700 Milam, 8th Floor Houston, TX 77002 Attn: Rick Carter	1	1	0	1	1	2	0	1	1	2	2	1&2	0	
Utah Oil, Gas & Mining 355 West North Temple Suite 350 Salt Lake City, UT 84180	0	0	0	1 Mail Weekly	0	1	0	0	1	0	0	1 Final	0	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other instructions
on reverse side)

56 64 01

Confidential

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Duncan

9. WELL NO.

4-12A2

10. FIELD AND POOL, OR WILDCAT

Bluebell

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 12, T1S, R2W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.

2. NAME OF OPERATOR
Pennzoil Exploration and Production Company

3. ADDRESS OF OPERATOR
P.O. Box 2967, Houston, TX 77252

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1967 FNL 1075 FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31233
DATE ISSUED 6/6/89

12. COUNTY OR PARISH Duchesne
13. STATE Utah

15. DATE SPUNDED 6/9/89
16. DATE T.D. REACHED 6/30/89
17. DATE COMPL. (Ready to prod.) 11/3/89
18. ELEVATIONS (OF. RES. RT. GR. ETC.)* KB 5879
19. ELEV. CASINGHEAD 6L5862

20. TOTAL DEPTH, MD & TVD 8660
21. PLUG. BACK T.D., MD & TVD 7850
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS XX
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Green River 7373-7782'
25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNLD, DLL, Sonic
27. WAS WELL CORRED.
no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9.625	36/43.5/47	3448		1605 SXS	OIL AND GAS
5.5	17	8660		635 SXS	DRN RBF
					IRB GLH

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						1-TAS	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	see attached	MICROFILM FILE

33.* PRODUCTION
DATE FIRST PRODUCTION: 11/3/89
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing
WELL STATUS (Producing or shut-in) producing

DATE OF TEST 11/6/89
HOURS TESTED 24
CHOKE SIZE 14/64
PROD'N. FOR TEST PERIOD
OIL—BBL. 1135
GAS—MCF. 30
WATER—BBL. 30
GAS-OIL RATIO

FLOW. TUBING PRESS. 1825
CASING PRESSURE
CALCULATED 24-HOUR RATE
OIL—BBL. 1135
GAS—MCF. 30
WATER—BBL. 30
OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold
TEST WITNESSED BY

35. LIST OF ATTACHMENTS
completion procedure

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Ralph G. Will* TITLE Supervising Engineer DATE 12-20-89

*(See Instructions and Spaces for Additional Data on Reverse Side)

COMPLETION PROCEDURE
STAGE I

DUNCAN 4-12A2
SECTION 12, T1S, R2W
BLUEBELL - UPPER GREEN RIVER FIELD
DUCHESNE COUNTY, UTAH

WELL DATA:

20" conductor @ 109' with 450 sxs (circulated cmt)

9-5/8", 36/43.5/47#, K-55/N-80/S-95/P-110/V-150 @ 3448' with 1665 sxs
(including top job)

5-1/2", 17#, WC-70 @ 8660' w/1360 sxs (est. TOC 2904')

TD: 8650"

Current PBD: 8535' (Schl. CET/CBL 7/6/89)

Fluid in hole: 10 ppg brine water

Tbg in hole: none

PROCEDURE:

1. MI and RU pulling unit. Carefully bleed off any trapped pressure and refill the hole with 10 ppg brine water. Do not proceed until the well is dead.
2. Remove tree and install BOP. Install test plug and test pipe rams and blind rams to 3000 psi.
3. GIH with 4-3/4" mill, bumper sub and 15 drill collars (3-1/8" OD) on 2-7/8", 6.5#, N-80, 8rd tubing. Clean out fill down to 8620' using 10 ppg brine as the circulating fluid.
4. Test casing to 1500 psi for 15 minutes. If test is unsuccessful, contact Houston for instructions before continuing.
5. Circulate hole and add the proper amount of corrosion inhibitor and oxygen scavenger to the 10 ppg brine water system. POH with tubing, drill collars, bumper sub and mill.
6. PU tubing conveyed perforating system using 3-3/8" HSC expendable guns for Stage I from 8470' to 8569' as per attached list. GIH with perforating guns, mechanical firing head, ported sub, rupture disk and 5-1/2" retrievable packer on 2-7/8" tubing. Run a 4' sub one joint above the packer for correlation purposes. Position the guns to perforate Stage I by steel line measurements. Run the tubing in the hole dry for maximum differential effect while perforating.

7. Run gamma ray - collar log through tubing and correlate to Schl. Dual Laterolog run 6/27/89. Spot guns, set packer, space out and land tubing. Re-run gamma ray log to confirm position of guns.

Note: Consult with the packer company to determine the proper initial set down weight on the packer, keeping in mind that the forces change significantly after the detonating bar breaks the disk. After breaking the disk, the packer should be in approximately 25,000# compression.

8. Remove BOP and install tree. Test pack-off to 5000 psi.
9. Install 2" full opening choke on the tree and drop detonating bar down 2-7/8" tubing. Flow test well as per instructions from Houston. Be sure to secure a water sample for analysis after the well has "cleaned up".
10. If stimulation is required, pull the perforating system and GIH with a 5-1/2" retrievable treating packer on 2-7/8" tubing, hydrotesting to 9000 psi. Set packer at approximately 8300' with 25,000-30,000# compression and treat perfs 8470-8569' with 5500 gallons of HCL acid containing all appropriate additives including 250 ball sealers for diversion.
11. Flow or swab back the load the test.
12. If the well is unproductive, contact Houston for permission to proceed to Stage II. Plug back and perform a similar completion on Stage II.

PERFORATIONS

STAGE I

8470-8488
8506-8510
8519-8569

STAGE II

8284-8306

STAGE III

7868-7876
7886-7888
7896-7918
7922-7940
7956-7974
7990-8006
8066-8078

STAGE IV

7373-7378
7490-7650
7724-7734
7750-7782

Jess Dullnig
7/26/89
412RAW

DUNCAN 4-12A2 DRILLING REPORT

WC - Duncan #4-12A2 - Utah - Duchesne - Bluebell/Altamont - Pennzoil -
PZL W.I. 49.318865% - PD 8600' - Sec. 12, T1S, R2W - AFE #07096083 - AFE
Cost \$554,000

- 06/06/89: G.L. (graded) 5862.9'
KDB @ 5879'
API #43-013-31233
Rig Phone (801) 353-4411
Mud Loggers' (801) 353-4391
Building road & location.
- 06/07/89: Continue with road and location.
- 06/08/89: Finished w/location & road. Conductor pipe set 109' below
GL & cmt'd in place.
- 06/09/89: @109' below GL w/cond pipe set & cmt'd. MIRT & start RURT.
- 06/10/89: CTD \$34,046
226', drilling, made 105' in 1.5 hrs, f wtr (spudded @ 2:00
AM on 06/11/89). This well is located 1967' FNL & 1075' FWL
SW NW.
- 06/11/89: CTD \$55,369
1751', drilling, made 1525' in 21-3/4 hrs, f wtr, 1/4° @
215', 3/4° @ 493', 1/2° @ 882', 1/2° @ 1306', 3/4° @ 1710'.
- 06/12/89: CTD \$72,017
2739', drilling, made 988' in 19.5 hrs, f wtr, 3/4° @ 1980',
1/4° @ 2384'.
- 06/13/89: CTD \$80,293
3293', drilling, day 4, made 554' in 16.5 hrs, f wtr, 3/4° @
2792', 1° @ 3050'.
- 06/14/89: CTD \$89,123
3448', displacing cmt around 9-5/8" surf csg, day 5, (made
155' in 5.5 hrs, made wiper trip, circ & POOH, RU & run
9-5/8" surf csg, circ, mix cmt & start displacement) 3/4° @
3447'
- 06/15/89: CTD \$94,714
3448', day 6, testing BOP stack, KCl wtr (finished
displacing 1405 sxs cmt w/full returns & cmt did not circ
w/150% excess, re-cmt thru 1" @ 126' w/200 sxs, re-cmt thru
1" @ 30', made cut off & install wellhead, NU BOP, stack &
testing same, ran 85 jts [3452.04'] 9-5/8" 36#, 43.5# & 47#,
mixed grades, LT&C & Butt csg).

06/16/89: CTD \$124,805
3893', drilling, day 7, 445' in 11.5 hrs, KCL wtr (finished BOP testing, 3000 psi, csg to 2900 psi, csg seat & fm to 12.7# EMW)

06/17/89: CTD \$137,615
4748', drilling, day 8, made 855' in 23 hrs, KCL wtr, 3/4° @ 3944 & 4442'

06/18/89: CTD \$149,022
5538', drilling, day 9, made 790' in 23 hrs, KCL wtr, 3/4° @ 4954' & 1/2° @ 5460'

06/19/89: CTD \$161,848
6100', drilling, day 10, made 562' in 19 hrs, KCL wtr, 3/4° @ 5894', BG 2 to 4 units.

06/20/89: CTD \$172,741
6668', drilling, day 11, made 568' in 19 hrs, KCL wtr, 1/4° @ 6377', BG 10/65 units.

06/21/89: CTD \$178,711
6935', drilling, day 12, made 267' in 11.25 hrs, 9# brine wtr, 1° @ 6885', BG 10/20 units (@ 6700' gas to surf - shut well in - raise wt from 8.5 to 9.0# & circ out gas - resume drilling).

06/22/89: CTD \$188,311
7215', drilling, day 13, made 280' in 16 hrs, 8.8 brine wtr, 1/2° @ 7050', BG 100 units.

06/23/89: CTD \$197,330
7625', drilling, day 14, made 410' in 19.5 hrs, 8.7# brine wtr, 3/4° @ 7505', BG 300/450 units.

06/24/89: CTD \$207,405
8190', drilling, day 15, made 565' in 24 hrs, 9.3# brine wtr, BG 800 units.

06/25/80: CTD \$218,263
8389', drilling, day 16, made 199' in 13 hrs, 9.4# brine wtr, BG 120 units.

06/26/89: CTD \$315,361
8637', drilling, made 248' in 12 hours, 9.5# brine wtr, 3/4° @ 8390', BG 120, (on RTCB @ 8389' ran SLM & made 11 up-hole correction to 8378'. In last 3 days lost 1500 bbls ± of brine wtr. Loss appears to be sealed off on day work @ 24:00 hrs on 6/26/89).

- 06/27/89: CTD \$327,424
8650', logging, day 18, made 13' in 1.0 hrs, 9.5# brine wtr, 1/2° @ 8560', BG none. Reached TD @ 7:00 AM on 6-27-89. Loggers depth 8624', 5' fill on sonic log run & tool sticking @ 6300'. Will make wiper trip when sonic log is pulled from wellbore in prep to run dip meter. POOH to run SLM & made no depth correction.
- 06/28/89: CTD \$330,941
8650', on last log run, day 19, 9.6# brine wtr (finished w/sonic log, finished rig repairs, made clean out trip, RU & run last log)
- 06/28/89: CTD \$426,853
8650', running 5-1/2" csg, day 20, finished logging, TIH & circ, spot pill on btm & POOH laying down drill string, RU & start in hole w/5-1/2" csg, 9.5# brine wtr.
- 06/30/89: CTD \$426,853
8660', RDRT, day 21, finished in hole w/211 jts 5-1/2", 17#, WC-70, LT & C csg. By csg tally TD is 8660'. Cmt'd w/20 bbls mud flush, 635 sxs filler cmt & tailed in w/725 sxs 50-50 poz, 2% gel, 0.8% Halad-24, 10% salt BWOW, 1/4# flocele. Had full to partial returns while mixing & pumping cmt. Lift press indicates cmt top within 2000' of surf. Released rig @ 6:30 pm following setting of csg slips & making cut-off on 5-1/2" csg. Due to holiday weekend cannot move rig until July 5th. Will run CBL & install tbg spool on 07/06/89. SDFWE.
- 07/03/89: CTD \$464,380
Down for holiday weekend & waiting to move rig on 07/05/89. Day 21 when rig was released.
- 07/05/89: CTD \$464,380
8660' by csg tally, MORT. 5-1/2" csg is full of unfiltered 10.0# brine wtr.
- 07/06/89: CTD \$543,403
8660' by csg tally. Ran CBL & CET logs. Cmt top @ 29' & loggers W/L PBD is 8638', 10# brine.
- 07/07/89: CTD \$553,699
8660' by csg tally, cleaning up location.
- 07/11/89: CTD \$553,699
8660' by csg tally, 8,538' PBD by CET/CBL on cmt logs (on cmt job: Plug was not bumped, when cmt top reached 4,500' + fluid returns started declining. Started cutting pump rate from 7 to 8 BPM an just before fluid returns stopped shut down pump with about 80' of cmt on top of flow collar.

- 07/12/89: CTD \$507,191 (corrected total)
8660' by csg tally, location cleaned up. FINAL REPORT until completion operations begin.
- 08/01/89: **COMPLETION**
CTD \$510,046
Road rig to location. RU pulling unit. Bleed off press. ND wellhead. NU BOP's. Press test BOP's to 3000 psi, test good. Lay pump lines. PU mill, bumper sub, jars & 15 3-1/8" drill collars. SDFN.
- 08/02/89: CTD \$511,571
13 hr SITP 0 psi. Wait on tbg. PU 100 jts 2-7/8" N-80 8rd tbg & RIH. SDFN.
- 08/03/89: CTD \$516,073
13 hr SITP 0 psi. PU 165 jts 2-7/8" 8rd N-80 tbg. Tag PBTD @ 8542'. PU swivel. Put on stripping head. CO to 8620'. Test csg to 1500 psi for 15 min. 0 psi bleed off. LD power swivel. Pull stripping head. LD 2 jts 2-7/8" tbg. SDFN.
- 08/04/89: CTD \$517,986
13 hr SITP 0 psi. Circ well w/brine wtr containing appropriate amounts of corrosion inhibitor & oxygen scavenger. Obtained 30 ppm corrosion inhibitor in returns. POOH w/267 jts 2-7/8" tbg. LD drill collars, jars, bumper sub & mill. SDFWE.
- 08/07/89: CTD \$532,716
61 hr SITP 0 psi. PU Guiberson TCP guns, firing head, parted disc sub, under balanced disc sub & pkr. RIH w/274 jts 2-7/8" 8rd tbg. RU OWP & run correlation log. Add 10' sub & 2' sub correlated to Schlumberger Dual Laterolog (06/27/89). Pulled BOP's, set pkr, put on wellhead. Ran correlation log. Drop bar @ 4:00 pm to perf the following intervals:
8470-88' w/2 SPF
8506-10'
8519-31'
8549-69'
Saw bar hit. Watched for 1 hr, 0 psi & no blow. SDFN.
7:00 am 08/08/89 opened well up - 0 psi & no blow.
- 08/08/89: CTD \$535,054
14 hr SITP 0 psi. ND wellhead. NU BOP's. RU Delsco Fish detonating bar & firing head. RD Delsco. Release pkr. POOH w/tbg, pkr & TCP guns. All guns fired & were spaced out properly. SDFN.

- 08/09/89: CTD \$537,933
14 hr SITP 0 psi. RU hydrotestors. Hydrotest in hole w/pkr & 273 jts 2-7/8" N-80 tbg. ND BOP. Set pkr @ 8320' w/27,000# comp. NU wellhead. Press test pkr to 1500 psi, test good. RU to swab IFL 500'. Made 7 swab runs. Swabbed dry, rec 40 BW. SDFN.
- 08/10/89: CTD \$538,763
13 hr SITP 0 psi, SICP 0 psi. WIH w/swab, hit fluid level @ 7800'. Swabbed perfs 8470-8569' dry in one run. Rec 1 BLW w/no sign of oil or gas. Made 1 run per hr for next 4 hrs, no entry & no rec. SDFN. Will leave well shut-in while waiting on stimulation materials.
- 08/11-13/89: CTD \$538,763
Well shut in. Prepare to acidize.
- 08/14/89: CTD \$552,053
84 hr SITP 0 psi, SICP 0 psi. RU and treated perfs 8470-8569' down 2-7/8" tbg w/5500 gallons 15% HCL acid containing non-emulsifier, clay stabilizer, scale inhibitor, corrosion inhibitor, friction reducer and iron control agent. Flushed w/2% KCL wtr. Used 230 ball sealers for diversion. Had complete ball-cut near end of flush. Avg inj rate 19 BPM @ 6000 psi. Max press 9000 psi. RD Western and flowed back 42 BLW before well die. Swabbed 22 BLW before hitting bridge sd bridge in tbg at 2500'. Pumped 22 bbls brine wtr down tbg to remove bridge, no success. Flowed & swabbed back 49 BLW before hitting sd bridge @ 2500' again. Removed tree & installed BOP. Released pkr & circ well w/38 bbls brine wtr to remove sd from tbg. Re-set pkr @ 8317' w/25,000# comp & tested csg to 1500 psi, held OK. Total load 238 bbls, total rec to date 113 bbls, 125 BLWTR. SDFN.
- 08/15/89: CTD \$554,778
13 hr SITP 250 psi, SICP 0 psi. Bled off gas & WIH w/swab. Hit fluid level @ surface. Attempted to swab, but could not get below 1000' due to heavy black oil. Pumped 90 bbls hot brine wtr down tbg, but still could not swab below 2700'. Released pkr & circ hole w/500 bbls hot brine wtr to clean tbg. Re-set pkr @ 8317' w/27,000# comp & tested csg to 1500 psi, held OK. SDFN.
- 08/16/89: CTD \$556,333
13 hr SITP 25 psi, SICP 0 psi. Bled off gas & WIH w/swab. Hit fluid level @ 1000'. Swabbed perfs 8470-8569' for 8 hrs. Rec 6 BO & 65 BLW. Final fluid level 8100', final oil cut 80%. Approx 200' of fluid entry per hr at end of day. 286 BLWTR. Total rec to day 178, to be rec 108 bbls. SDFN.

- 08/17/89: CTD \$558,583
13 hr SITP 25 psi, SICP 0 psi. Bled off gas & WIH w/swab. Hit fluid level @ 5800'. Swabbed perms 8470-8569' for 6 hrs. Rec 10 BO & 2 BLW. Final fluid level 8250', final oil cut 80%. Approx 50' of fluid entry per hr at end of day. Had trouble swabbing all day due to heavy black oil film in tbg. Total load 286 bbls. Total rec to date 180 bbls, 106 BLWTR. SDFN. Prep to run BHP survey (72 hrs).
- 08/18/89: CTD \$559,558
14 hr SITP 30 psi, SICP 0 psi. Bled off gas & WIH w/swab. Hit fluid level @ 6000'. Swabbed perms 8470-8569' down to seating nipple in 3 runs. Rec 8 BO & 3 BW. WIH w/press bombs on slickline to 8300' & SI for 72 hr build-up.
- 08/21/89: CTD \$562,188
72 hr SITP 35 psi, SICP 0 psi. Bled off gas & POOH w/press bombs. Released pkr & POOH w/2-7/8" tbg. SDFN. Prep to set CIBP @ 8450' & proceed to stage 2 of completion.
- 08/22/89: CTD \$566,568
15 hr SITP 25 psi, SICP 25 psi. Bled off gas & RU OWP wireline trk. Set 5-1/2" CIBP @ 8450' relative to Schlumberger Dual Laterolog run 06/27/89. Dumped 20' cmt on top of plug & RD OWP. Tested csg to 1500 psi, held OK. SDFN. Prep to perf stage 2 of completion.
- 08/22/89: CTD \$575,383
15 hr SICP 0 psi. WIH w/tbg conveyed perf'ing system on 2-7/8" tbg. Ran GR collar log to spot guns & set 5-1/2" Guiberson Uni-Pkr V @ 8183' w/18,000# comp. Removed BOP & installed tree. Re-ran correlation log. Found guns in correct position. Dropped bar down 2-7/8" tbg to detonate guns & perf'd stage II from 8284-8306' (23', 47 holes) w/4" guns. All depths are relative to Schlumberger dual laterolog run 06/27/89. Waited 1-1/2 hrs, no blow at surf. SDFN. Prep to swab.
- 08/24/89: CTD \$578,998
15 hr SITP 0 psi, SICP 0 psi. WIH w/swab. Found tbg completely dry. Fished detonating bar & firing head on slickline. Removed tree & installed BOP. POOH w/tbg, pkr & perf'ing guns (all guns fired). SDFN. Prep to GIH w/new pkr to acidize.
- 08/25/89: CTD \$581,693
13 hr SICP 0 psi. PU 5-1/2" Guiberson Uni-Pkr.V & WIH on 2-7/8" tbg, hydotesting to 9000 psi. Set pkr @ 8105' w/27,000# comp. Removed BOP & installed tree. Tested csg to 1500 psi, held OK. Swabbed tbg down to pkr in 5 runs, no entry, no show. SDFWE. Prep to acidize.

- 08/28/89: CTD \$592,178
84 hr SITP 0 psi, SICP 0 psi. RU Western & treated perms 8284-8306' down 2-7/8" tbg w/3500 gals 15% HCl acid containing non-emulsifier, clay stabilizer, scale inhibitor, corrosion inhibitor, friction reducer & iron control agent. Flushed w/brine wtr. Use 95 ball sealers for diversion. Had complete ball-out near end of flush. Avg inj rate 18 bpm @ 6800 psi. Max press 9000 psi. RD Western & flowed back 25 BLW before well died. Swabbed back 52 BLW & 1 BO before SDFN. FFL 7800', final oil cut 95%. Approx 250' of fluid entry per hr at end of day. Total load 135 bbls, total rec 77 bbls, 58 BLWTR.
- 08/29/89: CTD \$594,078
13 hr SITP 20 psi, SICP 0 psi. Bled off gas & WIH w/swab, hit fluid level @ 6800'. Swabbed perms 8248-8306' for 10 hrs. Rec 9 BO & 1 BW. FFL 7900', final oil cut 90%. Approx 100' of fluid entry per hr @ end of day. Total load 135 bbls, total rec 78 bbls, 57 BLWTR. SDFN.
- 08/30/89: CTD \$595,143
13 hr SITP 0 psi, SICP 0 psi. WIH w/swab. Hit fluid level @ 7600'. Swabbed perms 8248-8306' for 2 hrs, rec 4 BO w/trace of wtr. FFL 8000', final oil cut 95%. Filled tbg w/brine wtr, removed tree & installed BOP. Released pkr & POOH w/tbg. SDFN. Prep to proceed to stage 3 of completion.
- 08/31/89: CTD \$595,143
Well shut in. Prep to plug back and proceed to stage 3 of completion.
- 09/04/89: CTD \$595,143
Well shut in. Prep to plug back and proceed to stage 3 of completion.
- 09/05/89: CTD \$599,598
SICP 0 psi. RU OWP & set 5-1/2" CIBP on wireline @ 8260' relative to Schlumberger Dual Laterolog run 06/27/89. Dumped 20' cmt on top of plug & RD OWP. Tested cseg to 1500 psi for 15 mins, held OK. SDFN. Prep to perf stage 3 of completion.

- 09/06/89: CTD \$617,073
16 hr SICP 0 psi. WIH w/tbg conveyed perf'ing system on 2-7/8" tbg. Ran correlation logs & set pkr @ 7785' w/18,000# comp. Installed tree & perf'd using 4" HSC guns (2 spf, 90° phasing) as follows:
7868-7876' (9', 19 holes)
7886-7888' (3', 7 holes)
7896-7918' (23', 47 holes)
7922-7940' (19', 39 holes)
7956-7974' (19', 39 holes)
7990-8006' (17', 35 holes)
8066-8078' (13', 27 holes)
TOTAL 103', 213 holes
All depths from Schlumberger Dual Laterolog run 06/27/89. Waited 1 hr after perf'ing, no blow at surf. SDFN. Prep to swab test.
- 09/07/89: CTD \$620,153
14 hr SICP 0 psi, SITP 0 psi. WIH w/swab to seat nipple, no fluid in hole. Fished bar & firing head on slickline. Removed tree & installed BOP. POOH w/tbg, pkr & perf'ing guns. All guns fired. SDFN. Prep to GIH w/pkr & acidize soon.
- 09/08/89: CTD \$623,063
14 hr SICP 0 psi. PU 5-1/2" Guiberson Uni-Pkr V & WIH on 2-7/8" tbg, hydrotesting to 9000 psi. Set pkr @ 7710' w/28,000# comp. Removed BOP & installed tree. Tested csg to 1500 psi, held OK. Swabbed tbg down to seat nipple, no entry, no shows. SDFWE. Prep to acidize.
- 09/11/89: CTD \$639,008
61 hr SICP 0 psi, SITP 0 psi. RU Dowell & acidize perms 7868-8078' down 2-7/8" tbg w/5000 gals 7.5% HCl acid w/400 ball sealers. Flushed w/fm wtr. Had slight ball action. Avg inj rate 14 BPM @ 7500 psi. ISDP 2565 psi, 15 min 2135 psi. RD Dowell & flowed back 21 BLW before well died. Swabbed back 65 BLW in 7 hrs w/final fluid level 7550'. Approx 150' of fluid entry per hr at end of day. Final oil cut trace. Very little gas. Total load 164 bbls, total rec 86 bbls, 78 BLWTR. SDFN. Will cont swab testing 09/12/89.
- 09/12/89: CTD \$640,543
13 hr SICP 0 psi, SITP 0 psi. WIH w/swab. Hit fluid level @ 6500'. Swabbed perms 7868-8078' for 10-1/2 hrs. Rec 6 BO & 2 BW. FFL 7550' (80% oil). Approx 75' of fluid entry per day. Total load 164 bbls, total rec 88 bbls, 76 BLWTR. SDFN Will cont swab testing 09/13/89.

- 09/13/89: CTD \$642,048
13 hr SICP 0 psi, SITP 0 psi. WIH w/swab. Hit fluid level @ 7500'. Swabbed perms 7868-8078' for 10-1/2 hrs. Rec 2 BO & 1/2 BW. FFL 7600' (95% oil). Approx 50' of fluid entry per hr during the day. Total load 164 bbls, total rec 88.5 bbls, 75.5 BLWTR. SDFN.
- 09/14/89: CTD \$646,568
13 hr SICP 0 psi, SITP 0 psi. WIH w/swab. Hit fluid level @ 7550' (150' of fluid entry overnite). Removed tree & installed BOP. Released pkr & POOH w/tbg. RU OWP & set 5-1/2" Baker CIBP @ 7850' on wireline. Dumped 20' of cmt on top of plug & RD OWP. Tested csg to 1500 psi, held OK. SDFN. Prep to perf stage IV of completion.
- 09/15/89: CTD \$672,843
WIH w/tbg conveyed perf'ing system on 2-7/8" tbg. Set pkr @ 7290'. Removed BOP & installed tree. Dropped bar down tbg & perf'd stage 4 using 4" HSC guns w/2 spf as follows:
7373-7378' (6', 13 holes)
7490-7650' (161', 323 holes)
7724-7734' (11', 23 holes)
7750-7782' (33', 67 holes)
211', 426 holes total
All depths from Schlumberger Dual Laterolog run 06/27/89. 1 hr after perf'ing, had a slight blow of air @ surf. SDFWE. Prep to swab test.
- 09/18/89: CTD \$674,388
61 hr SITP 30 psi, SICP 0 psi. Bled off gas & WIH w/swab. Hit fluid level @ 4400'. Swabbed perms 7373-7782' for 10 hrs. Rec 10 BO w/trace of wtr. FFL 5900'. Had great difficulty swabbing due to heavy oil. SDFN. Will cont swab testing 09/19/89.
- 09/19/89: CTD \$676,563
13 hr SITP 100 psi, SICP 0 psi. Bled off gas & made 1 swab run. Initial fluid level 3000'. Had difficulty getting in hole due to heavy oil. Removed tree & installed BOP. Released pkr & POOH. All guns fired. SDFN. Prep to GIH w/pkr & acidize.
- 09/20/89: COMPLETION
CTD \$679,718
13 hr SICP 0 psi. WIH w/5-1/2" Guiberson Uni-Pkr V on 2-7/8" tbg, hydrotesting to 9000 psi. Set pkr @ 7195' w/28,000# compression. Removed BOP & installed tree. Tested csg to 1500 psi, held OK. Attempted to swab, could not get in hole due to heavy oil. SDFN. Will acidize 09/21/89 AM.

- 09/21/89: COMPLETION
CTD \$692,888
13 hr SITP 20 psi, SICP 0 psi. Treated perms 7373-7782' down 2-7/8" tbg w/8000 gals 7-1/2% HCL acid w/800 ball sealers. Flushed w/2% KCL wtr. Had near ball-out at start of flush. Avg inj rate 18 bpm @ 7500 psi. Max press 10,200 psi, ISDP 1000 psi, 15 min 400 psi. Flowed & swabbed back 100 BLW in 7-1/2 hrs. Final oil cut 40%. Had great difficulty swabbing due to heavy oil. Total load 236 bbls, total rec 100 bbls, 136 BLWTR. SDFN. Will cont testing 09/22/89 AM.
- 09/22/89: COMPLETION
CTD \$695,053
13 hr SITP 500 psi, SICP 0 psi. Bled off gas in 15 min & swabbed well for 10 hrs. Rec a total of 30 BO & 135 BW, including 130 bbls hot wtr pumped down tbg to soften heavy oil. Final oil cut 95%. Max swab depth 4200'. Had great difficulty swabbing due to heavy oil. Total load 236 bbls, total rec 105 bbls, 131 BLWTR. SDFWE. Will resume swabbing Monday.
- 09/25/89: CTD \$699,343
61 hr SITP 550 psi, SICP 0 psi. Bled off gas in 5 min & swabbed well for 8 hrs. Rec total of 10 BO & 211 BW (pumped 280 bbls hot wtr down tbg during day to soften heavy oil - the 211 BW swabbed is part of this load wtr). Max swab depth 4800'. Had great difficulty swabbing due to heavy oil. SDFN.
- 09/26/89: CTD \$701,173
13 hr SITP 200 psi, SICP 0 psi. Bled off gas in 1 min & attempted to swab well for next 4.5 hrs. Rec total of 3 BO & 56 BW, but had to pump 60 bbls of hot wtr down tbg during day to soften heavy oil (the 56 BW swabbed is from this load wtr). Max swab depth 3500'. Sd line parted @ 2700'. Removed tree & installed BOP. Pulled 1 std & rec sd line. Ran std back in hole & shut well in to repair rig. Prep to LD 2-7/8" tbg, ran 2-1/16" prod tbg (w/pkr) & 1.90" tbg as the heat string. SDFN.
- 09/27/89: CTD \$704,358
13 hr SITP 0 psi, SICP 0 psi. Repairing rig & POOH w/2-7/8" tbg & pkr. SDFN. Now waiting on wellhead adapter to land 2-1/16" & 1.90" tbg.
- 09/28/89: CTD \$704,358
Well shut in. Waiting on wellhead adapter and 1.90" tbg.
- 09/29/89: CTD \$704,358
Well shut in. Waiting on wellhead adapter and 1.90" tbg.

- 10/02/89: CTD \$724,968
109 hr SICP 700 psi. Flowed well to tank for 5 hrs, rec 110 BO. Pumped 200 bbls of hot brine wtr down csg to kill well. PU 5-1/2" Guiberson Uni-Pkr VI & WIH on 2-1/16" tbg to 7257'. SDFN. Prep to set pkr & run 1.90" heat string.
- 10/03/89: CTD \$729,968
13 hr SITP 150 psi, SICP 0 psi. Bled off gas & pumped 60 bbls brine wtr down tbg & csg to kill well. Set pkr @ 7257' w/2000# tension & landed 2-1/16" tbg on split hanger. WIH w/7171' of 1.90" tbg as heat string. Landed 1.90" tbg on split hanger, removed BOP & installed wellhead. Tested pack-off to 3000 psi & csg to 1500 psi. Both held OK. Now circ 1.90" tbg w/hot oil trk. Prep to swab test well.
- 10/04/89: CTD \$733,958
Flowed well to tank for 15-1/2 hrs on 1" ck w/FTP 0-100 psi. Made 320 BO & 100 BLW. Shut well in to repair hot oil trk.
- 10/05/89: CTD \$738,948
Flowed well to tank for 24 hrs on 1" ck w/FTP 0-25 psi. Made 250 BO & 500 BW.
- 10/06/89: CTD \$743,908
Flowed well to tank for 24 hrs on 1" ck w/FTP 0-25 psi. Made 300 BO & 800 BW. Final oil cut 20%.
- 10/07/89: CTD \$746,368
Flowed well for 9 hrs on 1" ck w/FTP 0-25 psi. Made 100 BO & 400 BW. Last 4 hrs made only 10 BO. Final oil cut 5%. SDFWE. WO evaluation.
- 10/09/89: COMPLETION
CTD \$748,963
39 hr SITP 550 psi, SICP 0 psi. Circ'd 1.9" tbg w/10# brine wtr & tested csg to 1500 psi, held OK. Pumped 60 bbls 10# brine wtr down 2-1/16" tbg to kill well, removed wellhead & installed BOP. POOH & LD 1.9" heat string. PU on 2-1/16" tbg, released pkr & SDFN. Prep to POOH & LD 2-1/16" tbg & proceed to stage V of completion.
- 10/10/89: CTD \$753,368
13 hr SICP 0 psi. Finished POOH & LD 2-1/16" tbg & pkr. Set 5-1/2" CIBP @ 7360' on WL & dumped 20' cmt on top. Tested csg to 1500 psi, held OK. SWIFN. Prep to perf.
- 10/11/89: CTD \$756,183
PU 210 jts of 2-7/8" tbg. POOH w/tbg in doubles & racked same in derrick. SDFN. Now loading perf'ing guns, should perf 10/13/89.

10/12/89: CTD \$756,183
Well shut-in. Prep to perforate.

10/13/89: CTD \$774,773
WIH w/4" tbg conveyed guns (2 spf, 120° phasing) & perf'd Stage V as follows:
6556-6567' (12', 25 holes)
6576-6586' (11', 23 holes)
6609-6618' (10', 21 holes)
6626-6642' (17', 35 holes)
6672-6713' (42', 85 holes)
6796-6820' (25', 51 holes)
117', 240 holes total
All depths from Schlumberger Dual Laterolog run 06-27-89. After 4.5 hrs had 2' flare of gas w/no oil or wtr. Will cont flow testing.

10/14/89: CTD \$776,478
Cont flow testing well for 13 hrs. Had steady 2' flare of gas on 2" ck w/0 psi FTP. WIH w/swab, hit fluid level @ 6000'. Swabbed tbg dry in 1 run & waited 1 hr, no fluid entry. Swab samples on 1st run showed wtr w/trace of oil. Shut well in, prep to pull perfing guns.

10/15/89: Well shut-in. Prep to pull perfing guns.

10/16/89: CTD \$779,903
48 hr SITP 2500 psi, SICP 0 psi. Bled off gas in 1 hr & WIH w/swab, hit fluid level @ 6300'. Swabbed well 8 hrs, rec 1-1/2 BO & 1/2 BW w/a minor show of gas (2-3' flare). Approx 25' of fluid entry per hr during day. SDFN. Prep to pull perf'ing gun.

10/17/89: COMPLETION
CTD \$782,613
15 hr SITP 2500 psi, SICP 0 psi. Bled off gas in 1 hr & filled tbg w/2% KCl wtr containing surfactant & clay stabilizer. Removed tree & installed BOP. Released pkr & circ'd hole w/2% KCl wtr containing surfactant & clay stabilizer. POOH w/tbg, pkr, 1 jt of tailpipe & top half of mechanical disconnect. SDFN. Description of fish left in hole follows (top to btm):

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>OD</u>	<u>ID</u>
Btm half of mechanical disconnect	.94'	4.000"	2.390"
2-7/8" 8rd sub	4.10'	2.875"	2.441"
Glass disk sub	.88'	3.660"	2.375"
Ported sub	.96'	3.650"	2.375"
1 jt 2-7/8" 8rd tbg	30.39'	2.875"	2.441"
2-7/8" 8rd sub	5.93'	2.875"	2.441"
Firing sleeve w/2-3/8" x-over	5.14'	3.400"	1.750"
Blank gun	7.88'	4.000"	N/A
Compac 4" Scalloped perf guns	<u>265.00'</u>	4.000"	N/A
	321.00'		

Est'd top of fish 7019'. Est'd btm of fish 7340'.

- 10/18/89: CTD \$784,238
15 hr SICP 900 psi. Bled off gas in 30 mins & filled hole w/30 bbls 2% KCl wtr. WIH w/spear & bumper sub on 2-7/8" tbg to 7000'. SDFN. Prep to circ well w/2% KCl wtr & latch onto fish.
- 10/19/89: CTD \$788,223
15 hr SITP 0 psi, SICP 1000 psi. Bled off gas in 30 mins & circ'd hole w/2% KCl wtr. WIH & latched onto fish @ 7019'. POOH w/tbg & complete fish. All guns fired. WIH w/5-1/2" Guiberson pkr on 2-7/8" tbg, hydrotesting to 9000 psi. Had to stop once to kill well w/2% KCl wtr. SDFN. Prep to set pkr & swab test.
- 10/20/89: CTD \$789,628
13 hr SITP 1500 psi, SICP 1500 psi. Bled well down in 30 mins & circ'd well w/2% KCl wtr containing corrosion inhibitor. Set pkr @ 6342' w/26,000# compression, removed BOP & installed tree. Tested csg to 1500 psi, held OK. Opened well to tank & flowed back 29 BLW w/no oil before well died. WIH w/swab to seating nipple, no fluid in tbg. Waited 1 hr & WIH w/swab, no entry. Had minor show of gas during day (2-3' flare). SDFWE. Now waiting on CO2 for acid job. Should acidize 10/24/89.
- 10/23/89: CTD \$789,628
Well shut in. Prep to acidize.
- 10/24/89: CTD \$814,650.55
89 hr SITP 2500 psi, SICP 0 psi. RU Western & acidized perms 6556-6820' down 2-7/8" tbg w/10,000 gal 15% HCl containing 2000 SCF of CO2/bbl & 480 ball sealers. Acid also contained surfactant, silt suspender, iron control agent, corrosion inhibitor, scale inhibitor, friction reducer & clay stabilizer. Flushed w/2% KCl wtr w/2000 SCF CO2/bbl. Had good ball action. Avg inj rate 20 BPM (CO2 + acid) @ 6000 psi. ISDP 1800 psi. RD Western & opened well to tank @ 10:00 AM w/675 psi on tbg. Flowed back 219 BLW from 10:00 AM 10/24/89 to 7:00 AM 10/25/89 on full 1" ck @ 200/225 psi w/pH of 6.0. Will cont to flow back & turn to flare if gas dries up.
- 10/25/89: CTD \$817,389.55
Cont to flow back to frac tank on full 1" ck @ 250 psi. Flowed back 20 BLW, 245 BLWTR. Switch to flare pit & open well up @ 9:00 AM to pit. Flared gas to pit from 9:00 AM to 4:00 PM on 3/4" ck w/750 psi. Cut back ck to 1/2" @ 4:00 PM & flared overnite w/850-870 psi. Will run press bombs on 10/26/89.

- 10/26/89: CTD \$819,049.55
Cont to flow to pit on 1/2" ck @ 850 psi. RU Otis & RIH w/press bombs to seat nipple @ 6342'. Shut well in @ 11:30. Instant shut in press 2300 psi. Will shut down until 10/30/89.
- 10/29/89: CTD \$819,049.55
Shut down for press bomb survey, well had 2480 psi on tbg this AM.
- 10/30/89: CTD \$819,049.55
Well shut in for BHP survey. Prep to pull bombs & run RA log to determine acid treatment distribution.
- 10/31/89: CTD \$829,760
Pulled BHP recording instruments & ran Western Atlas Prism log from 7000-6400' to determine acid treatment distribution. Left well shut-in pending analysis of BHP survey.
- 11/01/89: CTD \$830,455
Well shut-in pending evaluation of BHP data.
- 11/02/89: CTD \$831,085
Well shut-in pending evaluation of BHP data. RD pulling unit. Tbg detail follows:
- | | |
|--|------------------|
| KB correction | 16.00' |
| 208 jts of 2-7/8" 6.5# N-80 8rd tbg | 6,332.00' |
| Seating nipple (2.25" ID) | 1.00' |
| Guiberson 5-1/2" Uni-Pkr V (2.375" ID) | 6.00' |
| | <u>6,355.00'</u> |
- 11/03/89: CTD \$832,785
Ran 3 hr BHP survey to check for build-up. Chart showed no increase in press in 3 hrs. Opened well to sales line. Will report prod later.
- 11/04/89: CTD \$832,785
Flowed well to sales line on 14/64" ck w/FTP 1825 psi. Est gas rate 1788 MCFPD. SDFWE.
- 11/06/89: CTD \$887,785
Cont flowing well to sales line on 14/64" ck w/FTP 1850 psi. Made 1135 MCF w/no oil & 30 bbls BS&W. Prep to run prod logs.
- 11/07/89: CTD \$892,785
Cont flowing well to sales line on 14/64" ck w/FTP 1250 psi. Made 438 MCF w/no oil & 15 bbls BW. Ran prod logs. Now waiting on results.
- 11/08/89: CTD \$892,785
Produced well to sales line on 18/64" ck w/FTP 1700 psi. Made 1,750 MCFG w/50 BW (no oil) in 24 hrs.

Duncan #4-12A2

Page -15-

11/09/89:

COMPLETION

CTD \$892,785

Well made 1900 MCFG on 14/64" ck w/FTP 1900 psi in 24 hrs.

Also made 20 BW w/no oil. FINAL REPORT.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JUL 30 1990

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR PENNZOIL EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. BOX 2967, HOUSTON, TX 77252		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1967' FNL & 1075' FWL <i>SW 1/4 NW 1/4</i>		8. FARM OR LEASE NAME DUNCAN
14. PERMIT NO. <i>013</i> API NO. 43-103-31276-00		9. WELL NO. 4-12A2
15. ELEVATIONS (Show whether OF, RT, OR, etc.) GL 5862.9		10. FIELD AND POOL, OR WILDCAT BLUEBELL
		11. SEC., T., R., M., OR B.L.K. AND SUBVY OR ARRA <input checked="" type="checkbox"/> SEC 12 T1S R2W
		12. COUNTY OR PARISH DUCHESNE
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____ <input type="checkbox"/>	
(Other) TEMPORARILY SHUT WELL IN <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THIS WELL WAS SHUT-IN 7-21-90 FOR AN INDEFINITE PERIOD OF TIME DUE TO INTERRUPTION OF OPERATIONS AT THE GARY GAS PLANT LOCATED NEAR NEOLA, UTAH. PENNZOIL WILL RESUME NORMAL PRODUCTION OPERATIONS AS SOON AS REPAIRS ARE COMPLETED AT THE GAS PLANT.

CONFIDENTIAL

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
1-DME	
2-MICROFILM	
3-FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED *Jess Dullberg* TITLE PETROLEUM ENGINEER DATE 7-26-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

PRINT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PENNZOIL EXPLORATION & PRODUCTION

3. ADDRESS OF OPERATOR
P. O. BOX 290 NEOLA, UTAH 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SEE BELOW Sec 12 15 2W

14. PERMIT NO.
43-012-21233

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
DUNCAN 4-12A2

10. FIELD AND POOL, OR WILDCAT
Altamont-Green River

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

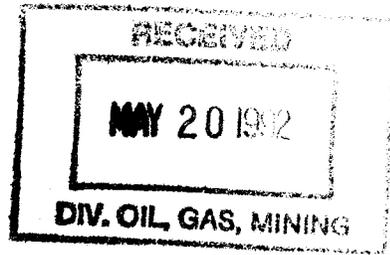
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) REQUEST FOR VARIANCE (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cornaby 2-14A2	NW 498
[REDACTED]	CA #UTU67304
Duncan 4-2A2	FEE
Hamblin 3-9A2	FEE

SEE ATTACHMENTS



RECEIVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 5-21-92
BY: JAM [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED: [Signature] TITLE: Production Superintendent DATE: May 18, 1992

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL, IF ANY:

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

March 31, 1992

Bureau of Land Management
Vernal, Utah

Attn: Jerry Kenczka

Re: Request for Variance



Dear Sir:

After extensive testing, we have found a market for our asphalt based oil from the following wells:

- Duncan 4-12A2
- Duncan 4-2A2
- Cornaby 2-14A2
- Hamblin 3-9A2

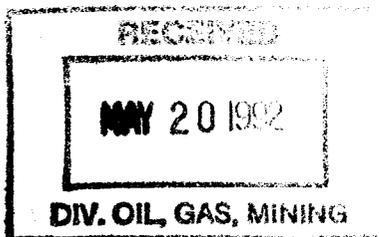
The oil is acceptable in a merchantable condition at a refinery in Salt Lake City. At present, the field price would be about twelve dollars a barrel.

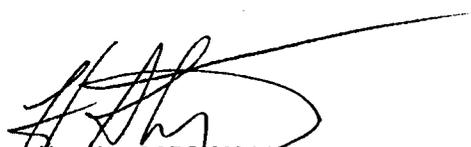
The above wells have some federal mineral acres, and some have none. To make this oil economical we would have to do treating at one location.

We propose to split the production at time of sale, and that way pay royalties, on a pro-rated basis, on percent cuts and overall production, of the oil and water emulsion.

We would like your opinion on this matter and see if there are any unforeseen problems or conditions for this type of arrangement.

The economics of this plan seem feasible if we can keep this treatment simple and do it all at one point.




H. H. STROMGREN
Production Superintendent
Neola, Utah



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078

Phone (801) 789-1362

MAY 18 1992

FAX (801) 789-3634



IN REPLY REFER TO:

**3162.7-2
UT08438**

Pennzoil Exploration & Production Company
Attn: H. H. Stromgren
P.O. Box 290
Neola, Utah 84053

Re: Variance Request

Dear Mr. Stromgren:

This correspondence is in regard to your request for a variance to the method measurement and treatment of asphaltic crude produced at the following wells:

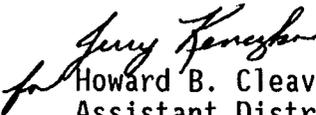
Duncan 4-12A2
Cornaby 2-14A2

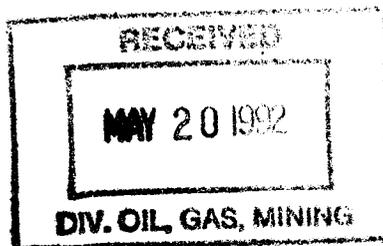
Duncan 4-2A2
Hamblin 3-9A2

After a review by this office, your request is approved as long as the volume of crude oil is estimated by tank gauge prior to hauling it the common location for treatment. This will make it easier to pro-rate it back to the individual wells at the time of sales.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,


Howard B. Cleavinger II
Assistant District Manager for Minerals



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Exploration and Production Company

3. Address and Telephone No.
P.O. Box 290 Neola, Utah 8 4 0 5 3 (8 0 1) 3 5 3 - 4 3 9 7

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1967' FNL and 1075' FWL of Section 12, T1S, R2W

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation
UTU67304

8. Well Name and No.
Duncan 4-12A2

9. API Well No.
43-013-31233-00

10. Field and Pool, or Exploratory Area
Bluebell

11. County or Parish, State
Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input checked="" type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Plan to cement squeeze perfs 6796-6820' to reduce water and restore gas production. Work should commence in the next 30-60 days.

RECEIVED
MAY 19 1993
DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-20-93
BY: [Signature]

Jess Dullnig

14. I hereby certify that the foregoing is true and correct

Signed Jess Dullnig Title Petroleum Engineer Date 17-May-93

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
AUG 18 1993

1. Type of Well

Oil Well Gas well Other

2. Name of Operator

Pennzoil Exploration and Production Company

DIVISION OF

3. Address and Telephone No.

P.O. Box 290 Neola, Utah 84053 (801) 353-4397

OIL, GAS & MINING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1967' FNL and 1075' FWL of Section 12, T1S, R2W

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

UTU67304

8. Well Name and No.

Duncan 4-12A2

9. API Well No.

43-013-31233-00

10. Field and Pool, or Exploratory Area

Bluebell

11. County or Parish, State

Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input checked="" type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

SUMMARY OF WORKOVER FROM 7-28-93 TO 8-9-93

- 07-28-93: MI & RU pulling unit.
- 07-29-93: Drilled out CIBP at 6750' and pushed remains down to 7347' (on top of CIBP at 7360').
- 07-30-93: Set 5-1/2" cement retainer at 6780'. Pumped into perms 6556-6713' above retainer. Had no communication with perms 6796-6820' below retainer. Pumped into perms 6796-6820'. Had no communication with perms 6556-6713'. Decided not to perform cement squeeze.
- 08-04-93: Set RBP at 6685' and swab tested perms 6672-6685'.
- 08-07-93: Treated perms 6672-6685' with 6400 gallons CO₂, 500 gallons 7.5% HCL with 750 scf/bbl CO₂ and 2000 gallons 2% KCL water with 30% methanol and 750 scf/bbl CO₂.
- 08-09-93: RD pulling unit. Workover to improve gas production unsuccessful.

14. I hereby certify that the foregoing is true and correct.

Signed Jess Dullnig *Jess Dullnig* Title Petroleum Engineer Date 16-Aug-93

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

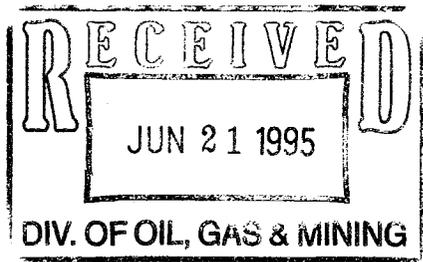
SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Fee
2. Name of Operator Pennzoil Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 290 Neola, Utah 8 4 0 5 3 (8 0 1) 3 5 3 - 4 3 9 7	7. If unit or CA, Agreement Designation UTU67304
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1967' FNL and 1075' FWL of Section 12, T1S, R2W	8. Well Name and No. Duncan 4-12A2
	9. API Well No. 43-013-31233-00
	10. Field and Pool, or Exploratory Area Bluebell
	11. County or Parish, State Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Plugging Back <input type="checkbox"/> Casing repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Reperf and sand frac</u>	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Pennzoil plans to plug back perfs 6796-6820', reperforate and add perfs to Upper Green River zone 6556' to 6690' and sand frac. Work should commence in the next 90-120 days.



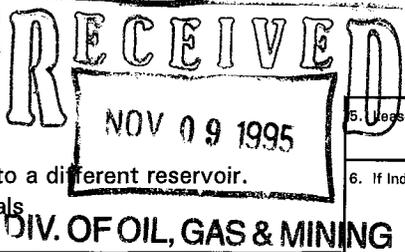
14. I hereby certify that the foregoing is true and correct

Signed <u>Jess Dullnig</u>	Title <u>Petroleum Engineer</u>	Date <u>19-Jun-95</u>
<small>(This space of Federal or State office use.)</small>		
Approved by <u>[Signature]</u>	Title <u>Petroleum Engineer</u>	Date <u>6/22/95</u>

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

DIV. OF OIL, GAS & MINING

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas well Other

2. Name of Operator

Pennzoil Exploration and Production Company

3. Address and Telephone No.

P.O. Box 10 Roosevelt, Utah 84066 (801) 722-5128

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1967' FNL and 1075' FWL Section 12, T1S, R2W

7. If unit or CA, Agreement Designation

UTU67304

8. Well Name and No.

DUNCAN 4-12A2

9. API Well No.

43-013-31233-00

10. Field and Pool, or Exploratory Area

BLUEBELL

11. County or Parish, State

DUCHESNE, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Water Shut-off
	<input checked="" type="checkbox"/> Other <u>Reperf and sand frac</u>	<input type="checkbox"/> Conversion to Injection
		<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Date workover started/finished: 9/22/95 through 10/4/95

✓ 09/22/1995: MI & RU.

09/26/1995: Perf/Reperfed Upper Green River intervals:6556'-6690' (49 net ft., 7 int., 98 holes)

09/28/1995: Set 5 1/2" CIBP @ 6770'.

09/29/1995: Pumped datafrac:5000 gal YF130 cross-linked gel & overflushed 4 bbls w/ 2% KCl water.

09/29/1995: Followed calibration test with closure test using 2% KCl water. Monitored downhole pressures.

10/01/1995: Hydraulically fraced perfs 6556'-6713' with 929 bbls YF130 and 116,000 lbs 20/40 sand.

10/02/1995 RIH w/ tubing & Swabbed.

10/04/1995: Flow testing - RD & MO.

14. I hereby certify that the foregoing is true and correct

Signed **Cory DeSantis** *Cory L. DeSantis* Title **Petroleum Engineer**

Date

11/8/95 ✓

(This space of Federal or State office use.)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

*tax credit
5/17/96*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (435) 722-6222

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1967' FNL and 1075' FWL of Section 12, T1S, R2W

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation
UTU67304

8. Well Name and No.
Duncan 4-12A2

9. API Well No.
43-013-31233-00

10. Field and Pool, or Exploratory Area
Bluebell

11. County or Parish, State
Duchesne, Utah

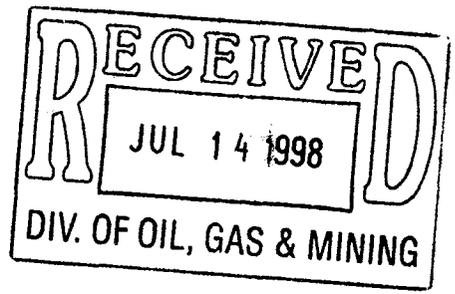
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Temporarily abandon</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Pennzoil requests permission to Temporarily Abandon the subject well prior to recompleting the Olsen 1-12A2 in the Upper Green River gas zone (the Olsen 1-12A2 is located in the same section as the 4-12A2 UGR gas well). Pennzoil proposes to remove all rods and tubing from the well then set a 5-1/2" CIBP (rated to 10,000 psi) at 6546' (10' above the top perf). Work should commence in the next 30-90 days.



COPY SENT TO OPERATOR
 Date: 7-14-98
 initials: JDH

14. I hereby certify that the foregoing is true and correct

Signed Jess Dullnig *Jess Dullnig* Title Petroleum Engineer Date 13-Jul-98

(This space of Federal or State office use.)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Approved by _____ Title _____ Date _____

Conditions of approval, if any _____

Title 18 U.S.C. Sec. 1001 makes it a crime to knowingly make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DATE: July 13, 1998
 BY: [Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (435) 722-6222

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1967' FNL and 1075' FWL of Section 12, T1S, R2W

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation
UTU67304

8. Well Name and No.
Duncan 4-12A2

9. API Well No.
43-013-31233-00

10. Field and Pool, or Exploratory Area
Bluebell

11. County or Parish, State
Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Temporarily abandon</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

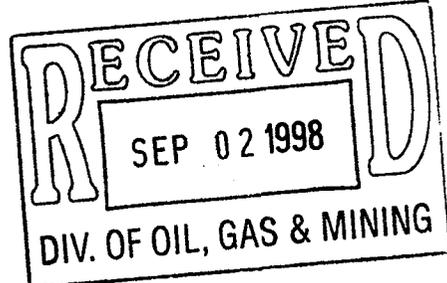
8-26-98 to 8-28-98

Laid down rods, TOH with tubing. Set a CIBP at 6546', dump bail two sacks cement on top of the plug.

TIH to 6500', roll hole to inhibited formation water, pressure test casing to 1000 psi for 30 minutes. No bleed off.

TOH, fill hole, Nipple down BOP, nipple up flange and valve.

Well temporarily abandoned.



14. I hereby certify that the foregoing is true and correct

Signed John Pulley *John Pulley* Title Sr. Petroleum Engineer Date 31-Aug-98

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DAILY WORKOVER/COMPLETION REPORT

DATE 8/28/98 PAGE OF 3

WELL NAME & NUMBER DUNCAN 4-12A2	FIELD Bluebell/Altamont
--	-----------------------------------

SECTION 12	TOWNSHIP 1S	RANGE 2W	COUNTY Duchesne	STATE Utah
----------------------	-----------------------	--------------------	---------------------------	----------------------

JOB DESCRIPTION T/A	AFE# YES
-------------------------------	--------------------

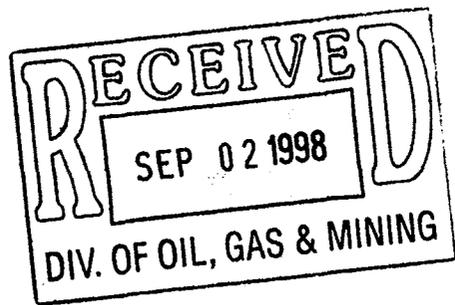
SIZE	WEIGHT	GRADE	DEPTH	THREAD
C				
S				
G				
T				
B				
G				

PERF RECORD

COST ITEMS	TD	PBTD	PERFS	FORMATION Wasatch
LOCATION	PKR	S.N. @	EOT @	SITP

RIG	\$810
TBG-CSG	
BATTERY	
LOGGING	
SLICKLINE	
PERF	
CEMINTING	
STIMULATION	
HOT OILER	
SUPERVISION	
WATER/MUD	
TRANS.	\$1,000
CHEMICALS	\$1,023
TANK RENTAL	\$225
P. SWIVEL	
BOP	\$170
SPOOLER	
PACKERS	
ANCHOR	
WELDER	
DH PUMP	
HYDROTEST	
SURFACE TOOLS	
DH TOOLS	
REDMAN	
ELECTRIAN	
TOTAL	\$3,228
PREVIOUS	\$11,243
TDT	\$14,471

WORK PERFORMED
 ND BOP. NU FLANGE AND VALVE. RD AND MO.



RIG	SUPERVISOR
POOL #820	E.K. BASTIAN

DAILY WORKOVER/COMPLETION REPORT

DATE		8/28/98	PAGE		OF	3
WELL NAME & NUMBER DUNCAN 4-12A2			FIELD Bluebell/Altamont			
SECTION		12	TOWNSHIP	1S	RANGE	2W
			COUNTY	Duchesne	STATE Utah	
JOB DESCRIPTION			T/A		AFE# YES	
SIZE		WEIGHT	GRADE	DEPTH	THREAD	
C	S					
	G					
T						
B						
G						
PERF RECORD						
COST ITEMS		TD	PBTD	PERFS	FORMATION Wasatch	
LOCATION		PKR	S.N. @	EOT @	SITP	
RIG	\$2,297	WORK PERFORMED RU OWP RIH W/ 5 1/2" CIBP AND SET @ 6546'. POOH W/ SETTING TOOL. RIH W/ DUMP BAILER & DUMPED 2 SACKS CEMENT ON CIBP. RD OWP. RIH W/ 200 JNTS 2 3/8" 8RD TBG. DISPLACED HOLE W/ 139 BBLs FORMATION WATER TREATED W/ CORR. INHIB. PRESSURE TEST CSG TO 1000 PSI. HELD GOOD FOR 30 MINS. BLED PRESSURE OFF. POOH LD 200 JNTS 2 3/8" 8RD TGB. FILLED HOLE W/ INHIB. WATER. S.I.O.N.				
TBG-CSG						
BATTERY						
LOGGING	\$2,530					
SLICKLINE						
PERF						
CEMENTING						
STIMULATION						
HOT OILER	\$302					
SUPERVISION						
WATER/MUD						
TRANS.						
CHEMICALS	\$1,023					
TANK RENTAL						
P. SWIVEL						
BOP	\$250					
SPOOLER						
PACKERS						
ANCHOR						
WELDER						
DH PUMP						
HYDROTEST						
SURFACE TOOLS						
DH TOOLS						
REDMAN						
ELECTRIAN						
TOTAL	\$6,402					
PREVIOUS	\$4,841	RIG	SUPERVISOR			
TDT	\$11,243	POOL #820	E.K. BASTIAN			

RECEIVED
 SEP 02 1998
 DIV. OF OIL, GAS & MINING

DAILY WORKOVER/COMPLETION REPORT

DATE 8/27/98 PAGE _____ OF _____

WELL NAME & NUMBER DUNCAN 4-12A2			FIELD Bluebell/Altamont	
SECTION 12	TOWNSHIP 1S	RANGE 2W	COUNTY Duchesne	STATE Utah
JOB DESCRIPTION T/A			AFE# YES	
C	S	G	T	B
PERF RECORD				
COST ITEMS		TD	PBTD	PERFS
				FORMATION Wasatch
LOCATION		PKR	S.N. @	EOT @
				SITP
RIG	\$1,908	WORK PERFORMED		
TBG-CSG		CON'T POOH W/ 98 - 3/4" AND 9 - 7/8". RD ROD		
BATTERY		EQUIP. RU SWAB EQUIP. SWABBED FLUID OUT		
LOGGING		OF TBG. ND WELL HEAD NU BOP. RELEASED		
SLICKLINE		A/C. POOH W/ 2 3/8" TBG AND BHA. S.I.O.N.		
PERF				
CEMINTING				
STIMULATION				
HOT OILER		NOTE: PULL ROD ON PUMP WAS BROKE IN		
SUPERVISION		TOP CONNECTION.		
WATER/MUD				
TRANS.				
CHEMICALS				
TANK RENTAL				
P. SWIVEL				
BOP	\$250			
SPOOLER				
PACKERS				
ANCHOR				
WELDER				
DH PUMP				
HYDROTEST				
SURFACE TOOLS				
DH TOOLS				
REDMAN				
ROUSTABOUT	\$53			
TOTAL	\$2,211	SAFTY TOPIC: WINCH LINES		
PREVIOUS	\$2,630	RIG	SUPERVISOR	
TDT	\$4,841	POOL 820	E.K. BASTIAN	

RECEIVED
SEP 02 1998
 DIV. OF OIL, GAS & MINING

DAILY WORKOVER/COMPLETION REPORT

DATE 8/26/98 PAGE OF 1

WELL NAME & NUMBER *12A2*
DUNCAN 4-2A2 FIELD Bluebell/Altamont

SECTION 12 TOWNSHIP 1S RANGE 2W COUNTY Duchesne STATE Utah

JOB DESCRIPTION T/A AFE# YES

SIZE	WEIGHT	GRADE	DEPTH	THREAD
C				
S				
G				
T				
B				
G				

PERF RECORD

COST ITEMS TD PBTD PERFS FORMATION Wasatch

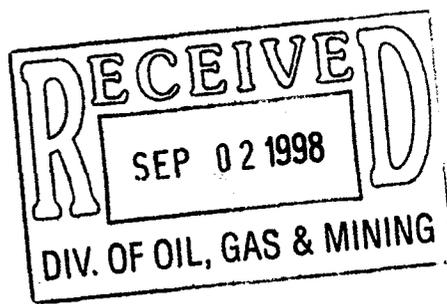
LOCATION PKR S.N. @ EOT @ SITP

RIG	\$1,190
TBG-CSG	
BATTERY	
LOGGING	
SLICKLINE	
PERF	
CEMENTING	
STIMULATION	
HOT OILER	\$385
SUPERVISION	
WATER/MUD	\$294
TRANS.	\$676
CHEMICALS	
TANK RENTAL	
P. SWIVEL	
BOP	
SPOOLER	
PACKERS	
ANCHOR	
WELDER	
DH PUMP	
HYDROTEST	
SURFACE TOOLS	
DH TOOLS	
REDMAN	
ROUSTABOUT	\$85
TOTAL	\$2,630
PREVIOUS	
TDI	\$2,630

WORK PERFORMED
MI AND RU. POOH LD PR, 95 - 7/8", AND 56 - 3/4". HOT OILER PUMPED DOWN CSG UP TO 1000 PSI. WELL DIDN'T CIRC. S.I.O.N.

SAFTY TOPIC: RIGGING DOWN.

RIG POOL #822 SUPERVISOR E.K. BASTIAN





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

FEB 17 2000

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
U-0575A et al
(UT-932)

FEB 16 2000

NOTICE

Devon Energy Production Company L.P. : Oil and Gas
20 North Broadway, Suite 1500 : U-0575A et al
Oklahoma City, Oklahoma 73102-8260 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511
U-0143512

U-4377
U-4378

UTU-67943

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit

cc: Vernal Field Office (w/encl.)
Moab Field Office (w/encl.)
MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.)
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)
Teresa Thompson (UT-931) (w/encl.)
Irene Anderson (UT-932) (w/encl.)
LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A
U-01188B
U-016654
U-0115614A
U-0115615
U-0126825
U-0141454

U-0141459
U-0143511
U-0143512
U-0144868A
U-3099
U-3575
UTU-74888

U-4377
U-4378
U-16131
U-31262
U-44426
UTU-67943

Communitization Agreements

U-58774
U-58799
U-58830
U-58834

U-58835
U-58839
U-58844
U-58854

U-60827
U-60831
U-68998



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-4377
UTU-66485
(UT-932)

MAR 26 1999

NOTICE

PennzEnergy Exploration and Production L.L.C. : Oil and Gas
P.O. Box 2967 :
Houston, TX 77252-2967 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-0115615 et al
(UT-932)

MAR 26 1999

NOTICE

PennzEnergy Company
P.O. Box 2967
Houston, TX 77252-2967

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

Enclosure

Exhibit

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)

Devon Energy Production Company, L.P.

FILED

DEC 30 1999

OKLAHOMA SECRETARY
OF STATE

Certificate of Merger

TO: The Oklahoma Secretary of State
101 State Capitol
Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

<u>Name of Organization</u>	<u>Type of Organization</u>	<u>Jurisdiction of Formation</u>
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.

3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.

5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.

6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

RECEIVED

MAR 13 2000

DIVISION OF
OIL, GAS AND MINING

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C.
General Partner

By: J. Larry Nichols
J. Larry Nichols, Manager

RECEIVED

MAR 13 2000

DIVISION OF
OIL, GAS AND MINING

LD 635381-001

OFFICE OF THE SECRETARY OF STATE



CERTIFICATE OF MERGER

WHEREAS,

DEVON ENERGY PRODUCTION COMPANY, L.P.

a limited partnership organized under the laws of the State of OKLAHOMA, has filed in the office of the Secretary of State duly authenticated evidence of a merger whereby said limited partnership is the survivor, as provided by the laws of the State of Oklahoma.

NOW THEREFORE, I, the undersigned Secretary of State of Oklahoma, by virtue of the powers vested in me by law, do hereby issue this Certificate evidencing such merger.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the Great Seal of the State of Oklahoma.



Filed in the City of Oklahoma City this 30TH
day of DECEMBER, 1999.

Mike Hunter
Secretary of State

By: *Bill Lane*

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: As per the attached spreadsheet.

LEASE NUMBER: _____

and hereby designates

NAME: Devon Energy Production Company, L.P.

ADDRESS: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102-8260

as his agent /operator with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

See attached spreadsheet.

Note: Please use April 1, 2000 as the starting date for production reporting purposes.

RECEIVED

APR 20 2000

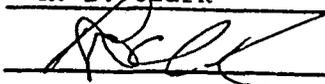
DIVISION OF
OIL, GAS AND MINING

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: January 1, 2000

BY: (Name) R. D. Glark
(Signature) 
(Title) Vice President
(Phone) 405-235-3611

OF: (Company) PennzEnergy Exploration and Production Company, L.L.C.
(Address) 20 North Broadway, Suite 1500
Oklahoma City, OK 73102-8260

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.

DIVISION OF
OIL, GAS AND MINING

UTAH PROPERTIES

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
1	4301330005	CLYDE MURRAY 1-2A2	SESW-2-1S-2W	DUCHESNE	BLUEBELL	
2	4301330006	STATE 1-10A2	SWNE-10-1S-2W	DUCHESNE	BLUEBELL	
3	4301330009	VIRGIL MECHAM 1-11A2	W/2NE-11-1S-2W	DUCHESNE	BLUEBELL	96107
4	4301330011	VICTOR C BROWN 1-4A2	NESE-4-1S-2W	DUCHESNE	BLUEBELL	
5	4301330017	DOUG BROWN 1-4A2	SENW-4-1S-2W	DUCHESNE	BLUEBELL	
6	4301330030	CHASEL 1-18A1	NWNE-18-1S-1W	DUCHESNE	BLUEBELL	9628
7	4301330031	OLSEN 1-12A2	SWNE-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
8	4301330035	BOREN 1-14A2	NWSW-14-1S-2W	DUCHESNE	BLUEBELL	NW498
9	4301330042	UTE 2-12A3	NESW-12-1S-3W	DUCHESNE	BLUEBELL	1420H621576 Terminated 8-3-93
10	4301330086	L BOREN U 3-15A2	NESW-15-1S-2W	DUCHESNE	BLUEBELL	
11	4301330099	LAMICQ URRUTY U 3-17A2	NWSE-17-1S-2W	DUCHESNE	BLUEBELL	
12	4301330107	L BOREN U 5-22A2	SWNE-22-1S-2W	DUCHESNE	BLUEBELL	
13	4301330115	L BOREN U 4-23A2	SENW-23-1S-2W	DUCHESNE	BLUEBELL	
14	4301330119	VERL JOHNSON 1-27A2	SWNE-27-1S-2W	DUCHESNE	BLUEBELL	
15	4301330120	TOMLINSON FED 1-25A2	SENW-25-1S-2W	DUCHESNE	BLUEBELL	NW537
16	4301330123	L BOREN U 6-16A2	NWSE-16-1S-2W	DUCHESNE	BLUEBELL	
17	4301330125	UTE 3-18A2	NESW-18-1S-2W	DUCHESNE	BLUEBELL	1420H621750
18	4301330130	WOODWARD 1-21A2	SWNE-21-1S-2W	DUCHESNE	BLUEBELL	NW590
19	4301330133	LAMICQ 1-20A2	SWNE-20-1S-2W	DUCHESNE	BLUEBELL	
20	4301330136	UTE 1-6B3	NWNE-6-2S-3W	DUCHESNE	ALTAMONT	14204621778 / 9651
21	4301330142	SMITH UTE 1-18C5	NWNE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
22	4301330143	MAUREL TAYLOR FEE 1-36A2	NESW-36-1S-2W	DUCHESNE	BLUEBELL	
23	4301330200	L ROBERTSON ST. 1-1B2	NESW-1-2S-2W	DUCHESNE	BLUEBELL	
24	4301330212	LAMICQ UTE 1-5B2	NWSE-5-2S-2W	DUCHESNE	BLUEBELL	1420H621806 / 9683
25	4301330236	CAMPBELL UTE ST 1-7B1	SENW-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
26	4301330245	SMITH ALBERT 1-8C5	SENE-8-3S-5W	DUCHESNE	ALTAMONT	
27	4301330294	FRESTON ST 1-8B1	NESW-8-2S-1W	DUCHESNE	BLUEBELL	

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

DIVISION OF
OIL, GAS AND MINING

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
28	4301330297	GEORGE MURRAY 1-16B1	SEW-16-2S-1W	DUCHESNE	BLUEBELL	
29	4301330307	UTE ALLOTTED 1-36Z2	NWSE-36-1N-2W	DUCHESNE	BLUEBELL	1420H621676 / 9C124
30	4301330347	LAMICQ URRUTY U 4-5A2	SEW-5-1S-2W	DUCHESNE	BLUEBELL	
31	4301330359	H G COLTHARP 1-15B1	SEW-15-2S-1W	DUCHESNE	BLUEBELL	
32	4301330369	STATE 3-18A1	NESW-18-1S-1W	DUCHESNE	BLUEBELL	9C142
33	4301330564	D L GALLOWAY 1-14B2	SWNE-14-2S-2W	DUCHESNE	BLUEBELL	
34	4301330807	MARGUERITE 2-8B2	SEW-8-2S-2W	DUCHESNE	BLUEBELL	96102
35	4301330809	LAMICQ 2-6B1	NWSE-6-2S-1W	DUCHESNE	BLUEBELL	
36	4301330821	DILLMAN 2-28A2	SWNE-28-1S-2W	DUCHESNE	BLUEBELL	
37	4301330903	HAMBLIN 2-26A2	SWNE-26-1S-2W	DUCHESNE	BLUEBELL	
38	4301330912	RACHEL JENSEN 2-16C5	NENW-16-3S-5W	DUCHESNE	ALTAMONT	
39	4301330921	ROBERTSON UTE 2-2B2	NENE-2-2S-2W	DUCHESNE	BLUEBELL	9682
40	4301330975	JOHN 2-3B2	NWNE-3-2S-2W	DUCHESNE	BLUEBELL	
41	4301330995	LAMICQ ROBERTSON STATE 2-1B2	SWNE-1-2S-2W	DUCHESNE	BLUEBELL	
42	4301331009	UTE 2-7A2	CNE-7-1S-2W	DUCHESNE	BLUEBELL	1420462811
43	4301331147	HATCH 2-3B1	SEW-3-2S-1W	DUCHESNE	BLUEBELL	
44	4301331151	NORLING 2-9B1	SWSW-9-2S-1W	DUCHESNE	BLUEBELL	
45	4301331184	SHAW 2-27A2	SESW-27-1S-2W	DUCHESNE	BLUEBELL	
46	4301331190	LAMICQ URRUTY 4-17A2	SEW-17-1S-2W	DUCHESNE	BLUEBELL	
47	4301331191	LAMICQ 2-20A2	SESE-20-1S-2W	DUCHESNE	BLUEBELL	
48	4301331192	BOREN 3-11A2	SWSW-11-1S-2W	DUCHESNE	BLUEBELL	96107
49	4301331203	FRESTON 2-8B1	SWNE-8-2S-1W	DUCHESNE	BLUEBELL	
50	4301331215	WISSE 3-35A2	SWSW-35-1S-2W	DUCHESNE	BLUEBELL	
51	4301331231	MECCA 2-8A2	SESE-8-1S-2W	DUCHESNE	BLUEBELL	
52	4301331232	MARK 2-25A2	NWNE-25-1S-2W	DUCHESNE	BLUEBELL	NW537
53	4301331233	DUNCAN 4-12A2	SWNW-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
54	4301331235	SWYKES 2-21A2	NWNW-21-1S-2W	DUCHESNE	BLUEBELL	NW590

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.DIVISION OF
OIL, GAS AND MINING**UTAH PROPERTIES**

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
55	4301331238	SHERMAN 2-12B2	SWSE-12-2S-2W	DUCHESNE	BLUEBELL	9690
56	4301331245	MILES 7-7B3	SWNW-7-2S-3W	DUCHESNE	ALTAMONT	9675
57	4301331276	DUNCAN 4-2A2	NESE-2-1S-2W	DUCHESNE	BLUEBELL	
58	4301331278	HAMBLIN 3-9A2	SENE-9-1S-2W	DUCHESNE	BLUEBELL	
59	4301331285	DUNCAN 3-7A1	NWNW-7-1S-1W	DUCHESNE	BLUEBELL	
60	4301331286	BAR F 2-5B1	SWSE-5-2S-1W	DUCHESNE	BLUEBELL	
61	4301331299	CORNABY 2-14A2	NENE-14-1S-2W	DUCHESNE	BLUEBELL	NW498
62	4301331317	MITCHELL 2-4B1	SESW-4-2S-1W	DUCHESNE	BLUEBELL	9662
63	4301331321	SMITH 2-9C5	SWSW-9-3S-5W	DUCHESNE	ALTAMONT	
64	4301331322	LORANGER 2-24A2	N/2NE-24-1S-2W	DUCHESNE	BLUEBELL	
65	4301331325	UTE 2-6B3	SWSW-6-2S-3W	DUCHESNE	ALTAMONT	1420H621858 / 9651
66	4301331326	MCELPRANG 2-30A1	SWSW-30-1S-1W	DUCHESNE	BLUEBELL	NW625
67	4301331327	SMITH 2-7C5	NESW-7-3S-5W	DUCHESNE	ALTAMONT	1420H622389
68	4301331328	SMITH 2-18C5	SWSE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
69	4301331329	UTE 2-24A3	SWNW-24-1S-3W	DUCHESNE	BLUEBELL	1420H621761
70	4301331330	UTE 5-19A2	NWNW-19-1S-2W	DUCHESNE	BLUEBELL	1420H621751
71	4301331332	EDWARDS 3-10B1	SWSW-10-2S-1W	DUCHESNE	BLUEBELL	
72	4301331333	SUNDANCE 4-15A2	SWNE-15-1S-2W	DUCHESNE	BLUEBELL	
73	4301331334	LORANGER 6-22A2	SWSW-22-1S-2W	DUCHESNE	BLUEBELL	
74	4301331335	COX 2-36A2	NWNW-36-1S-2W	DUCHESNE	BLUEBELL	
75	4301331338	SMITH 2-6C5	SESW-6-3S-5W	DUCHESNE	ALTAMONT	1420H622388 / UTU70553
76	4301331341	FRESTON 2-7B1	SENE-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
77	4301331356	PEARSON 2-11B2	SENE-11-2S-2W	DUCHESNE	BLUEBELL	
78	4301331378	CHAPMAN 2-4B2	SWNW-4-2S-2W	DUCHESNE	BLUEBELL	
79	4301331390	LAMB 2-16A2	NENE-16-1S-2W	DUCHESNE	BLUEBELL	
80	4301331393	LABRUM 2-23A2	SWSW-23-1S-2W	DUCHESNE	BLUEBELL	
81	4301331820	POWELL 2-16B1	NENE-16-2S-1W	DUCHESNE	BLUEBELL	

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
87	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

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APR 20 2000

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	✓	5-SP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **04/1/2000**

FROM: (Old Operator):
PENNZOIL EXPLORATION & PRODUCTION CO
Address: P. O. BOX 4616 6TH FLOOR
HOUSTON, TX 77210-4616
Phone: 1-(713)-546-6590
Account No. N2885

TO: (New Operator):
DEVON ENERGY EXPL & PROD CO LP
Address: 20 NORTH BROADWAY STE 1500
OKLAHOMA CITY, OK 73102-8260
Phone: 1-(405)-235-3611
Account No. N1275

CA No.

Unit:

WELL(S)

NAME	CA	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
DUNCAN 4-12A2	CA (UTU77336)	43-013-31233	10990	12-01S-02W	FEE	GW	TA
WOODWARD 1-21A2	CA (590)	43-013-30130	5665	21-01S-02W	FEE	OW	P
SWYKES 2-21A2	CA (590)	43-013-31235	10998	21-01S-02W	FEE	OW	P
MARK 2-25A2	CA (537)	43-013-31232	10986	25-01S-02W	FEE	OW	P
COOK 1-26B1	CA (UTU68998)	43-047-31981	11212	26-02S-01W	FEE	OW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 04/20/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 04/20/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10/12/2000
- Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143
- If **NO**, the operator was contacted on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/16/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- 1. Changes entered in the **Oil and Gas Database** on: 11/24/2000
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/24/2000
- 3. Bond information entered in RBDMS on: 11/24/2000
- 4. Fee wells attached to bond in RBDMS on: 11/24/2000

STATE BOND VERIFICATION:

- 1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 71S100753026-70
- 2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: _____
- 3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/26/2000

FILMING:

- 1. All attachments to this form have been **MICROFILMED** on: 2.26.01

FILING:

- 1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4750

Brandon Pearson
Devon Energy Production Company, L.P.
20 North Broadway
Oklahoma City, OK 73102-8260

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Pearson:

Devon Energy Production Company, L.P., as of January 2004, has one (1) State Lease Well and thirteen (13) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

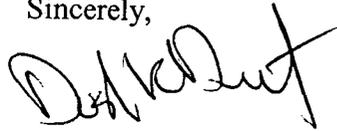
Page 2
January 22, 2004
Brandon Pearson

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

jc
cc: John Baza
Well File
Sitla

	Well Name	API	Lease Type	Years Inactive
1	State 1-10A2	43-013-30006	State	11 Years 8 Months
1	Robertson Ute 2-2-B2	43-013-30921	Fee	2 Years 0 Months
2	Woodard 1-21A2	43-013-30130	Fee	2 Years 1 Month
3	Rachel Jenson 2-16C5	43-013-30912	Fee	2 Years 2 Months
4	Lamb 2-16A2	43-013-31390	Fee	2 Years 4 Months
5	Ballard 2-15B1	43-047-32351	Fee	2 Years 5 Months
6	Marguerite 2-8B2	43-013-30807	Fee	4 Years 4 Months
7	Olsen U1-12A2	43-013-30031	Fee	4 Years 6 Months
8	Freston ST 1-8B1	43-013-30294	Fee	6 Years 6 Months
9	Duncan 4-12A2	43-013-31233	Fee	6 Years 7 Months
10	Verl Johnson 1-27A2	43-013-30119	Fee	8 years 1 Month
11	Reay 11-13A4	43-013-31291	Fee	9 Years 11 Months
12	Clyde Murray 1-2A2	43-013-30005	Fee	10 Years 7 Months
13	Duncan 3-7A1	43-013-31285	Fee	10 Years 9 Months

Attachment A

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UTU 67304

8. WELL NAME and NUMBER:
DUNCAN 4-12A2

9. API NUMBER:
4301331233

10. FIELD AND POOL, OR WILDCAT:
BLUEBELL/UGR

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
DEVON ENERGY PRODUCTION COMPANY, L.P.

3. ADDRESS OF OPERATOR:
P.O. BOX 290 CITY NEOLA STATE UT ZIP 84053

PHONE NUMBER:
(435) 353-4121

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1967' FNL 1075' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 1S 2W 6

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>SHUT IN WELL</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE DUNCAN 4-12A2 WAS SHUT IN IN 1996 AFTER AN UNSUCCESSFUL FRAC JOB FAILED TO RETURN GAS PRODUCTION. THE WELL WAS TA'D IN AUGUST 1998.

DEVON ENERGY PROPOSES TO PLUG AND ABANDON THE WELL IN 2004.

A SUNDRY NOTICE WILL BE SUBMITTED FOR APPROVAL PRIOR TO PLUGGING THE WELL.

THE WELL HAS 9 5/8" SURFACE CASING SET AT 3448', CEMENTED TO SURFACE AND 5 1/2" CASING SET AT 8650 WITH TOC AT 2900' (INSIDE SURFACE CASING). ON MARCH 25TH, 2004 THE SICP WAS ZERO.

THIS WELL IS NOT A RISK TO PUBLIC HEALTH OR THE ENVIRONMENT.

ATTACHMENTS: WELLBORE SCHEMATIC AND WELL HISTORY

COPY SENT TO OPERATOR
Date: 5-21-04
Initials: CHD

NAME (PLEASE PRINT) JOHN PULLEY

TITLE SR. OPERATIONS ENGINEER

SIGNATURE *John Pulley*

DATE 3/4/2004

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

(5/2000)

DATE: 5/19/04
BY: *D. K. Deet*

(See Instructions on Reverse Side)

* See attached letter dated May 19, 2004

RECEIVED
MAR 08 2004
DIV. OF OIL, GAS & MINING

DUNCAN 4-12A2
SWNW SECTION 12, T1S, R2W
DUCHESNE COUNTY, UTAH

CEMENT EVALUATION

A cement bond log run 7-6-89 had the following results:

100'	to	2900'	Free pipe
2900'	to	4300'	Poor to fair bonding
4300'	to	5300'	Fair to good bonding
5300'	to	8500'	Good to very good bonding

WELL DATA

API No. 43-013-31233

Completion date: 10-25-89

TD: 8650' PBTB: 8620

Casing: 9-5/8" @ 3448'
5-1/2", 17#, WC-17 @ 8650

Perforations: 8470-8569, 8284-8306, 7868-8078, 7373-7782, 6556-6713.

Other: CIBPs at 8450, 8260, 7850, 6770 & 6546
TA on 8/28/98

WELL HISTORY

08-08-89: Perf 8470-8569 (4 intervals, 54', 108 holes)

08-15-89: Stim 8470-8569 with 5500 gals 15% HCL

DUNCAN 4-12A2 WELL HISTORY

- 08-24-89: Set CIBP at 8450'
- 08-24-89: Perf 8284-8306 (23', 47 holes)
- 08-29-89: Stim 8284-8306 with 3500 gals 15% HCL
- 09-06-89: Set CIBP at 8260'
- 09-07-89: Perf 7868-8078 (103', 213 holes)
- 09-12-89: Stim 7868-8078 with 5000 gals 7.5% HCL
- 09-15-89: Set CIBP at 7850'
- 09-16-89: Perf 7373-7782 (211', 426 holes)
- 09-22-89: Stim 7373-7782 with 8000 gals 7.5% HCL. Flowed approximately 1100 BO + 1200 BW in 5 days.
- 10-11-89: Set CIBP at 7360'
- 10-14-89: Perf 6556-6820 (117', 240 holes)
- 10-25-89: Stim 6556-6820 with 10,000 gals 15% HCL
- 12-18-92: Set CIBP at 6750' to exclude perfs 6796-6820
- 12-22-92: 13-1/2 hr SITP - 1075 psi. Bled off gas in 30 minutes and swabbed perfs 6556-6713 for 9-1/2 hrs. Recovered 114 BW with a trace of oil. Well flowed gas 10 minutes between swab runs.
- 01-22-93: Treated perfs 6556-6713 with 8760 gals of 2% KCL water with 30% methanol. Swabbed 221 BW. IFL - 1600'. FFL - 4000'. To be recovered - 29 bbls.
- 01-26-93: 13 hr SITP - 1220 psi. Bled off gas in 1 hr, recovered no fluid. Swabbed perfs 6556-6713 for 8-10 hrs, recovered 70 BW. Last hr had 1700' of fluid entry. IFL - 2400'. FFL - 6100'. All load recovered plus 417 bbls.
- 07-29-93: Drilled out CIBP at 6750'. Pushed remains down to 7374' (above CIBP at 7360').
- 07-30-93: Set retainer at 6780'. Could not establish circulation between perfs 6556-6713' and 6796-6820'. Did not squeeze.

DUNCAN 4-12A2 WELL HISTORY

- 07-30 to
08-06-93: Selectively swab tested Upper Green River perms with the following results:
- 6796-6820' Swabbed 40 BW w/ trace oil & gas in 4 hrs
 - 6672-6713' Swabbed 81 BW in 11 hrs w/ light blow gas after swab run
 - 6672-6685' Swabbed 49 BW in 11 hrs w/ light blow gas after swab run, 12 hr SITP - 825 psi.
- 08-07-93: Treated perms 6672-6685' with 3200 g CO₂, 500 g 7.5% HCL with CO₂ and 2000 g KCL water with 30% methanol.
- 12-19-94: Removed 5-1/2" RBP at 6685'.
- 12-21-94: Drilled out retainer at 6780' and pushed remains down to 7350'.
- 1-13-95: Finished installing rod pumping equipment to pump water off perms 6556-6820' in an attempt to restore gas production.
- 09-26-95 Perfed/Reperfed Upper Green River intervals: 6556'-6690'(49 net ft.-only 8'new, 98 holes).
- 09-28-95 Set 5 1/2" CIBP @ 6770' (Cmt bond log dated 7/6/89).
- 10-01-95 Hydraulically fraced perms 6556'-6713' with 929 bbls YF130 cross-linked gel and 116,000 lbs. 20/40 sand. Ramped sand concentration from .5 to 7 #'s/gal.
- 10-27-95 Production log determined 100% of gas production coming from 6672'-76' and 100% of the water production coming from 6672'-6705'. Temperature log suggests the CIBP is holding and water could be coming from below CIBP. After-frac gamma-ray suggests the following intervals were treated: 6590'-6598', 6609'-6618', 6626'-6642', and 6672'-6713'.
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- 12-16-95 Finished reinstalling rod pumping equipment for perms 6556-6713'.
- 08-27-98 Laid down rods, TOH with tubing.
- 08-28-98 Set CIBP at 6546', dump 2 sks cement (15') on top of plug. Roll hole to formation water with biocide and corrosion inhibitor. Test to 1000 psi. OK, TOH lay down tubing.
- 08-29-98 Flange up wellhead valve. Well TA, Sundry to State of Utah 8-31-98.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UTU 67304

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
DUNCAN 4-12A2

2. NAME OF OPERATOR:
DEVON ENERGY PRODUCTION COMPANY, L.P.

9. API NUMBER:
4301331233

3. ADDRESS OF OPERATOR:
P.O. BOX 290 CITY NEOLA STATE UT ZIP 84053

PHONE NUMBER:
(435) 353-4121

10. FIELD AND POOL, OR WILDCAT:
BLUEBELL/UGR

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1967' FNL 1075' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 1S 2W 6

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 6/1/2004	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE DUNCAN 4-12A2 WAS SHUT IN IN 1996 AFTER AN UNSUCCESSFUL FRAC JOB FAILED TO RETURN GAS PRODUCTION. THE WELL WAS TA'D IN AUGUST 1998.

DEVON ENERGY PROPOSES TO PLUG AND ABANDON THE WELL PER THE ATTACHED PROCEDURE

ATTACHMENTS: PROCEDURE AND WELLBORE DIAGRAM

RECEIVED
APR 07 2004
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
DATE: 5-21-04
INITIALS: CHD

NAME (PLEASE PRINT) JOHN PULLEY

TITLE SR. OPERATIONS ENGINEER

SIGNATURE

John Pulley

DATE 4/6/2004

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING

(5/2000)

DATE 5/19/04
BY: [Signature]

See Instructions on Reverse Side

* See conditions of approval (attached)

**DUNCAN 4-12A2
SWNW SECTION 12, T1S, R2W
DUCHESNE COUNTY, UTAH**

OBJECTIVE:

Plug and abandon the Duncan 4-12A2, rehab location.

DISCUSSION:

The Duncan 4-12A2 was completed in the Upper Green River as a gas well in 1989. Initial production was 3000 MCFGPD with 70 BWPD. The well started making black oil in June 1992 and was shut in November 1992 due to problems at the Bluebell gas plant. When the well was turned back on it would not produce. Attempts to return the well to production have all failed including a CO₂, Methanol acid treatment and two frac jobs in 1995 which communicated to water. The well was TA'd in 1998 in order to test the Olsen 1-12A2 in the same section.

CEMENT EVALUATION

A cement bond log run 7-6-89 had the following results:

100'	to	2900'	Free pipe
2900'	to	4300'	Poor to fair bonding
4300'	to	5300'	Fair to good bonding
5300'	to	8500'	Good to very good bonding

WELL DATA

API No.	43-013-31233		
Property No.	63043-001		
Completion date:	10-25-89		
TD:	8650'	PBTD:	8620
Casing:	9-5/8" 36 to 47# K-55/N-80 & S-95 at 3448' 5-1/2", 17#, WC-70 at 8650		

Perforations: 8470-8569, 8284-8306, 7868-8078, 7373-7782, 6556-6820.

Other: CIBPs at 8450, 8260, 7850, 6770 & 6546
TA on 8/28/98

WELL HISTORY

- 08-08-89: Perf 8470-8569 (4 intervals, 54', 108 holes)
- 08-15-89: Stim 8470-8569 with 5500 gals 15% HCL
- 08-24-89: Set CIBP at 8450'
- 08-24-89: Perf 8284-8306 (23', 47 holes)
- 08-29-89: Stim 8284-8306 with 3500 gals 15% HCL
- 09-06-89: Set CIBP at 8260'
- 09-07-89: Perf 7868-8078 (103', 213 holes)
- 09-12-89: Stim 7868-8078 with 5000 gals 7.5% HCL
- 09-15-89: Set CIBP at 7850'
- 09-16-89: Perf 7373-7782 (211', 426 holes)
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- 10-14-89: Perf 6556-6820 (117', 240 holes)
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- 08-29-98 Flange up wellhead valve. Well TA, Sundry to State of Utah 8-31-98.
- 02-25-04 SICP zero, no pressure on 9 5/8" – 5 1/2" annulus.

PROCEDURE:

1. MIRU workover rig. Have anchors pull tested and replaced if necessary prior to rigging up. Nipple down wellhead, nipple up BOP.
2. TIH with tubing open ended, tag up on CIBP at 6546'. Spot a 25 sk plug on top of the CIBP. Pull up and spot a 25sk plug from 3400-3500' across the base of surface. TOH.
3. Cut the 5 1/2" at 2870'. Pull and lay down the 5 1/2" casing.
4. TIH open ended to 2920', 50' into the 5 1/2 " stub. Spot a 35 sk plug. TOH to 100', spot a 45 sk plug at surface. POH.
5. Set a dry hole marker or cut off below ground level per surface owners request.

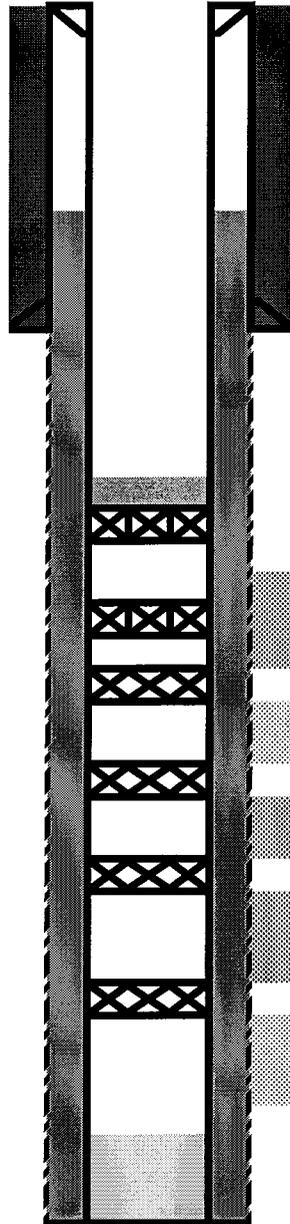
John Pulley

DEVON ENERGY PRODUCTION COMPANY, L.P. WELLBORE SCHEMATIC

Location:

DUNCAN 4-12A2

SWNW SECTION 12, T1S, R2W



Casing Detail:

Surface: 9 5/8" 36/43.5/47# K-55/N-80/S-95 AT 3448'
Production: 5 1/2" 17# WC-70 at 8650'

3448

TOC AT 2900'

CIBP AT 6546' WITH 2 SKS CEMENT

CIBP AT 6770'
PERFORATIONS 6556-6690

CIBP AT 7360'
PERFORATIONS 7373-7782'

CIBP AT 7850
PERFORATIONS 7668-8078

CIBP AT 8260'
PERFORATIONS 8284-8306

CIBP AT 8450'
PERFORATIONS 8470-8569

PBTD 8620

TD 8650

NOT TO SCALE

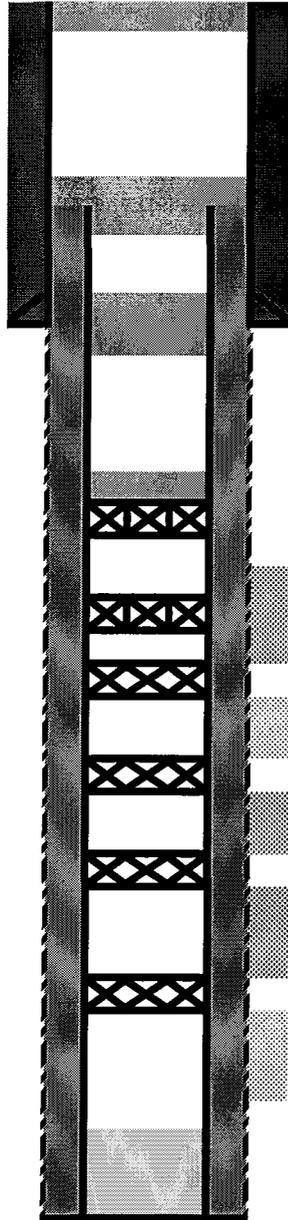
DEVON ENERGY PRODUCTION COMPANY, L.P. WELLBORE SCHEMATIC

Location:

DUNCAN 4-12A2

SWNW SECTION 12, T1S, R2W

BASE SURFACE 3448'



PBTD 8620

TD 8650

CASING:

SURFACE 9 5/8" 36/43.5/47# K-55/N-80/S-95 AT 3448'
PRODUCTION 5 1/2" 17# WC-70 at 8650'

5 1/2" CASING CUT AT 2880'
CEMENT PLUG 50' INTO 5 1/2" AND 50' ABOVE STUB IN 9 5/8".

100' PLUG AT SURFACE.

TOC AT 2920'

Spot a 100' plug from 3400-3500'

CIBP AT 6546' WITH 100' CEMENT ON TOP

CIBP AT 6770'
PERFORATIONS 6556-6690

CIBP AT 7360'
PERFORATIONS 7373-7782'

CIBP AT 7850
PERFORATIONS 7668-8078

CIBP AT 8260'
PERFORATIONS 8284-8306

CIBP AT 8450'
PERFORATIONS 8470-8569

NOT TO SCALE



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Duncan 4-12A2
API Number: 43-013-31233
Operator: Devon Energy Production Company L.P.
Reference Document: Original Sundry Notice Dated April 6, 2004
Received by DOGM on April 7, 2004

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. All intervals between plugs shall be filled with noncorrosive fluid.
3. Balanced plugs shall be tagged to ensure the plugs are at the depths specified in the proposal.
4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
6. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

May 19, 2004

Date

API Well No: 43-013-31233-00-00 Permit No:

Well Name/No: DUNCAN 4-12A2

Company Name: DEVON ENERGY PROD CO LP

Location: Sec: 12 T: 1S R: 2W Spot: SWNW

Coordinates: X: 579525 Y: 4473715

Field Name: BLUEBELL

County Name: DUCHESNE

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	3448	12.25		
SURF	3448	9.625	47	2.432
HOL2	8660	7.875		
PROD	8660	5.5	17	7.661

4.064
~~2.432~~

Surface Plug $100 / (1.18) (7.661) = 12 \text{ SKS}$
 $100 / (1.18) (4.064) = 20 \text{ SKS}$
 4.064



Bridge Plug @ 1810
 +/- 1810 - 1910 perf +/- 1810 - 1910'
 Above $50 / (1.18) (2.661) = 10 \text{ SKS}$ $100 / (1.18) (2.432) = 35 \text{ SKS}$
 Inside below $50 / (1.18) (7.661) = 12 \text{ SKS}$
 Outside below $100 / (1.18) (4.064) = 20 \text{ SKS}$
 Plug #3 2820 - 2920
 Cement from 3448 ft. to surface
 Surface: 9.625 in. @ 3448 ft.
 Hole: 12.25 in. @ 3448 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	8660	2900	UK	635
SURF	3448	0	UK	1605

Cement from 3448 ft. to surface

Surface: 9.625 in. @ 3448 ft.

Hole: 12.25 in. @ 3448 ft.

Plug #2 3400 - 3500
 $100 / (1.18) (7.661) = 12 \text{ SKS}$

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
6556	6690			

Plug #1 protect Top Green River
 C1BP 6546
 $100 / (1.18) (7.661) = 12 \text{ SKS}$

Formation Information

Formation	Depth	Formation	Depth
GRRV	6550		

Cement from 8660 ft. to 2900 ft.

Production: 5.5 in. @ 8660 ft.

Hole: 7.875 in. @ 8660 ft.

TD: 8660 TVD: PBTD:



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

May 19, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 5436

Mr. John Pulley
Devon Energy Production Company, L.P.
P.O. Box 290
Neola, Utah 84053

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Mr. Pulley,

The Division of Oil, Gas and Mining (DOGM) is in receipt of your fourteen (14) sundries with various early April 2004 dates (received by the Division on March 8th and 9th, 2004) in regards to the fourteen (14) shut-in wells operated by Devon Energy Production Company, L.P. (Devon). It is the Divisions understanding Devon intends to plug and abandon four (4) wells this year and requests extended shut-in and temporary abandonment for the other ten (10) wells.

The four wells Devon plans to plug this year are the Robertson Ute 2-2-B2, Rachel Jensen 2-16C5, Duncan 4-12A2 and Reay 11-13A4 wells. The Division is in receipt of sundries and attachments dated April 6, 2004 (received by the Division 4/7/2004) for the plugging of these wells.

Based upon submitted information and plan of action the DOGM accepts Devon's plan to plug four (4) wells this year and grants the requested extended SI/TA status for all fourteen (14) wells until January 1, 2005.

For reference, Attachment A lists the wells subject to this request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet
Petroleum Engineer

cc: Well File
SITLA

	Well Name	API	Lease Type	Years Inactive
1	State 1-10A2	43-013-30006	State	11 Years 8 Months
1	Robertson Ute 2-2-B2	43-013-30921	Fee	2 Years 0 Months
2	Woodard 1-21A2	43-013-30130	Fee	2 Years 1 Month
3	Rachel Jenson 2-16C5	43-013-30912	Fee	2 Years 2 Months
4	Lamb 2-16A2	43-013-31390	Fee	2 Years 4 Months
5	Ballard 2-15B1	43-047-32351	Fee	2 Years 5 Months
6	Marguerite 2-8B2	43-013-30807	Fee	4 Years 4 Months
7	Olsen U1-12A2	43-013-30031	Fee	4 Years 6 Months
8	Freston ST 1-8B1	43-013-30294	Fee	6 Years 6 Months
9	Duncan 4-12A2	43-013-31233	Fee	6 Years 7 Months
10	Verl Johnson 1-27A2	43-013-30119	Fee	8 years 1 Month
11	Reay 11-13A4	43-013-31291	Fee	9 Years 11 Months
12	Clyde Murray 1-2A2	43-013-30005	Fee	10 Years 7 Months
13	Duncan 3-7A1	43-013-31285	Fee	10 Years 9 Months

Attachment A

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: UTU 67304
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1967' FNL 1075' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 1S 2W 6		8. WELL NAME and NUMBER: DUNCAN 4-12A2
PHONE NUMBER: (435) 353-4121		9. API NUMBER: 4301331233
		10. FIELD AND POOL, OR WILDCAT: BLUEBELL/UGR
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/26/2004	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

TIH W/ TBG AND TAG PLUG @ 6,546'. ROLL HOLE WITH TREATED WATER. SPOT 25 SKS CEMENT ON TOP OF CIBP. TOH TO 3,496' KB. MIX & PUMP 25 SKS BALANCE PLUG. TOH. WIH W/ WIRELINE & TAG PLUG @ 3,294'. OK AS PER DAVE HACKFORD, STATE OF UTAH, DOGM SENIOR PETROLEUM SPECIALIST. CUT CASING @ 2,838' AND LD. TIH W/ TBG TO 2,882'. MIX & PUMP 60 SKS CEMENT. TOH & WOC. RIH W/ WIRELINE & TAG PLUG @ 2,676', OK AS PER DAVE HACKFORD. PUMP 100' SURFACE PLUG. CUT OFF WELLHEAD. WELD ON DRY HOLE MARKER.

SURFACE REHAB PENDING AGREEMENT WITH SURFACE OWNER.

ATTACHMENT: JOB LOG

NAME (PLEASE PRINT) JOHN PULLEY	TITLE SENIOR OPERATIONS ENGINEER
SIGNATURE <i>John Pulley</i>	DATE 10/15/2004

(This space for State use only)

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JOB LOG

**WESTERN WELLSITE SERVICES LLC
17509 ROAD 14
FORT MORGAN, COLORADO 80701**

OPERATOR	Devon ETP
WELL	DUNCAN 4-12A2
LOCATION	SWNW 12 150 2W
DATE	9-26-04

MIRU P10 EA
 NDWH, NR BUP
 TIH/Tubing TO 6546' 212 JOINTS TAG Plug
 Roll Hole with Treated HAD
 SPOT 25 SKS ON TOP OF CIBP
 TOH TO 3496' KB
 MIX + Pump 25 SK balance Plug
 TOH
 RIH WITH WIRE LINE + TAG Plug @ 3294' OK Per ST
 Cut CASING @ 2835' + Log Down
 TIH WITH Tubing TO 2882'
 MIX + Pump 60 SKS
 TOH + WOC
 RIH WITH WIRE LINE + TAG Plug @ 2676', OK Per.
 Dave Hack Ford with ST
 Pump 100' SURFACE Plug
 Cut OFF Well Head
 Weld on Dry Hole marker
 R.D.M.D.

WIRELINE CONTRACTOR	Braid-X-OF Price Wt	
CEMENT CONTRACTOR	Western Wellsite Services of Ft. Morgan, Co.	
DIRTWORK CONTRACTOR	NA	
RESEEDING CONTRACTOR	NA	
SIGNED: <i>[Signature]</i>	Field Supervisor	DATE: 9-27-04

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